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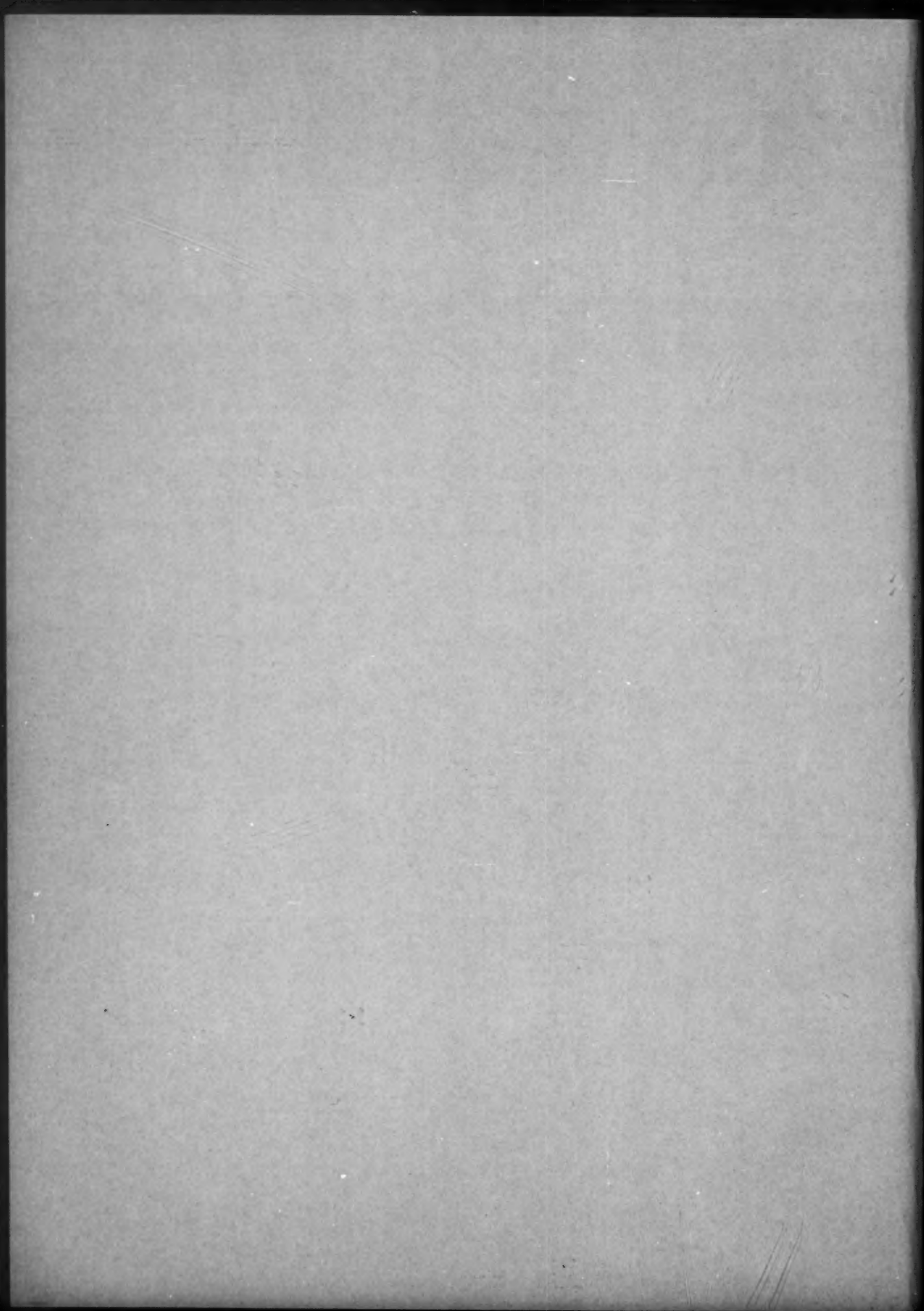
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SUBJECT CLASSIFICATION

This is a list of headings, with code numbers, under which articles were classified during the second half of 1970. The headings in capital letters are identical with those appearing in the monthly issues.

00. GENERAL

- 00 General mathematics
- 04 Collections of papers: Proceedings of conferences of general interest, translation volumes, etc. (See also 01.60)
- 20 General bibliographies
- 30 Dictionaries and other general reference works
- 50 Methodology and philosophy of mathematics

01. HISTORY AND BIOGRAPHY

- 01 General histories, source books
- 02 Primitive
- 05 Pre-Greek, Babylonian, Egyptian
- 08 Greek
- 10 Far East
- 12 Islam
- 15 Medieval
- 18 15th and 16th centuries, Renaissance
- 20 17th century
- 25 18th century
- 30 19th century
- 35 20th century
- 40 Contemporary
- 50 Biographies, obituaries, personalia
- 60 Collected or selected works; reprintings or translations of classics

02. LOGIC AND FOUNDATIONS

- 10 Classical deductive systems, general
- 12 Propositional calculus, two-valued
- 16 Predicate calculus
- 18 Classical proof theory
- 20 Non-classical logic, general
- 23 Intuitionism
- 25 Many-valued logic
- 27 Modal logic
- 30 Formal syntax and linguistics, general
- 32 Higher-order languages
- 35 Infinitary languages
- 38 Languages with additional quantifiers
- 40 Algebraic logic, general
- 42 Boolean algebras, lattices, topologies
- 45 Algebra of relations
- 48 Cylindric and polyadic algebras
- 50 Model theory, general
- 52 Semantics and metamathematics, categoricity
- 54 Axiomatics and applications, decision methods
- 57 Non-standard models
- 60 Axiomatic set theory, general
- 63 Formalization of set theory
- 65 Consistency, independence, existence
- 68 Measurability, accessibility, other special questions
- 70 Recursive function theory, general
- 72 Arithmetic and recursive analysis
- 74 Undecidability
- 75 Unsolvability in mathematical systems
- 77 Hierarchies
- 80 Algorithms and machines, general
- 82 Turing, Post, Thue schemes
- 85 Combinatory logic
- 88 Abstract automaton theory (See also 94.40)

04. SET THEORY

- 15 Point sets
- 20 Relations (See also 08.20)

30 Transfinite numbers

- 40 Descriptive set theory; Borel classifications, Suslin schemes, etc. (See also 28.10)
- 60 Combinatorial (See also 05.04)

05. COMBINATORIAL THEORY, GRAPH THEORY

- 04 Combinatorial choice problems; subsets, representatives
- 05 Factorials, binomial coefficients, combinatorial functions
- 10 Combinatorial enumeration problems, generating functions
- 15 Combinatorial inequalities
- 20 Block designs (See also 62.61)
- 22 Difference sets (number-theoretic, group-theoretic, etc.)
- 24 Orthogonal arrays, Latin squares
- 25 Matrices
- 27 Finite geometries (See also 50.60)
- 30 Other designs, configurations
- 35 Matroids, geometric lattices
- 40 Graphs, general theory
- 45 Trees
- 50 Topological graph theory, embedding (See also 55.10)
- 55 Chromatic theory of graphs and maps
- 60 Directed graphs (digraphs)
- 62 Graphs and groups
- 65 Enumeration of graphs and maps

06. ORDER, LATTICES, ORDERED ALGEBRAIC STRUCTURES

- 10 Total order
- 20 Partial order
- 30 Lattices, generalizations
- 35 Complemented lattices, generalizations
- 40 Modular lattices, continuous geometries, generalizations
- 50 Distributive lattices, generalizations
- 60 Boolean algebras and rings
- 65 Order topologies (See also 54.56)
- 70 Ordered semigroups, other generalizations of groups
- 75 Ordered groups
- 78 Ordered abelian groups
- 80 Ordered linear spaces (See also 46.06)
- 85 Ordered rings, algebras, modules (See 12.70 for ordered fields)
- 90 Other ordered algebraic structures

08. GENERAL MATHEMATICAL SYSTEMS

- 10 Concrete categories, structures (See also 18.10)
- 20 Laws of composition
- 30 Universal algebra, general algebraic structures
- 40 Other

10. THEORY OF NUMBERS

- 01 General books
- 02 Tables
- 03 Computations
- 05 Elementary number theory, general
- 06 Congruences, residues
- 07 Special functions and sequences
- 08 Elementary prime number theory
- 09 Expansions and algorithms
- 10 Diophantine equations, general
- 11 Linear and quadratic equations
- 12 Cubic and quartic equations
- 13 Equations of higher degree
- 14 Local (p -adic) theory
- 15 Forms, general
- 16 Quadratic, Hermitian forms
- 17 Forms of degree ≥ 3
- 18 Multilinear forms

SUBJECT CLASSIFICATION

- 20 Modular functions and forms, automorphic functions (See also 20.65, 30.49, 32.65)
 - 21 Modular group, modular functions
 - 22 Automorphic forms, one variable
 - 23 Several variables
 - 25 Geometry of numbers
 - 30 Diophantine approximation
 - 31 Linear approximation, continued fractions
 - 32 Algebraicity, irrationality and transcendence
 - 33 Distribution modulo 1, normal numbers
 - 34 Analytic and p -adic theory
 - 40 Analytic multiplicative theory, general
 - 41 Analytic tools (Zeta- and L -functions, exponential sums, etc.)
 - 42 Distribution of the integers with specified multiplicative structure (including primes)
 - 43 Number-theoretic functions
 - 45 Analytic additive theory, general
 - 46 Sums of powers, generalizations
 - 47 Additive questions concerning primes
 - 48 Partitions, generating functions
 - 49 Sequences
 - 50 Probabilistic number theory
 - 55 Combinatorial problems in number theory (See also 05.00)
 - 60 Sequences of integers, general
 - 61 Recursive and other special sequences
 - 62 Addition of sequences, basis, essential components, etc.
 - 63 Density of special sequences
 - 64 Sieves
 - 65 Algebraic number theory, general (See also 12.50)
 - 66 Individual algebraic number fields (quadratic, cubic, cyclotomic, Kummer, etc.)
 - 67 Local theory (valuations, finite extensions of p -adic fields)
 - 68 Class field theory, complex multiplication
 - 69 Arithmetic of general rings
 - 75 Arithmetic theory of algebraic objects
 - 76 Polynomials
 - 77 Finite fields, power series fields
 - 78 Valued fields, algebraic function fields
 - 79 Matrices
 - 80 Decidability, other logical questions
12. FIELDS AND POLYNOMIALS
 - 10 Division rings (See also 16.46)
 - 20 Finite fields (See also 10.77)
 - 25 Polynomials over finite fields
 - 30 Polynomials
 - 40 Galois theory (See also 12.80, 13.70, 16.70)
 - 45 Algebraic extension fields
 - 50 Algebraic number fields (See also 10.65)
 - 70 Valuations, topological fields, ordered fields (See also 10.78, 13.98)
 - 75 Transcendental extension fields
 - 78 Algebraic function fields (See also 10.78, 14.35)
 - 80 Differential and difference algebra; differential Galois theory
13. COMMUTATIVE ASSOCIATIVE RINGS AND ALGEBRAS (See also 16.00)
 - 10 General theory
 - 15 Integral domains, unique factorization domains
 - 20 Ideal theory
 - 25 Chain conditions; Artinian rings, Noetherian rings
 - 30 Radical theory
 - 40 Modules, representation
 - 50 Structure, classification
 - 60 Automorphisms, derivations
 - 70 Galois theory
 - 80 Extension theory
 - 90 Homological methods
 - 93 Rings of polynomials, formal power series
 - 95 Local rings
 - 98 Valuations (See also 12.70)
14. ALGEBRAIC GEOMETRY
 - 01 Algebraic varieties in real and complex spaces, classical algebraic geometry
 - 05 Algebraic geometry over abstract fields and rings, general
 - 08 Foundational questions
 - 10 Theories of equivalence
 - 15 Transformations and correspondences
 - 18 Singularities
 - 20 Algebraic curves, surfaces and special varieties
 - 35 Algebraic function fields (See also 10.78, 12.78)
 - 40 Arithmetic properties of varieties
 - 45 Rationality questions
 - 47 Weil conjectures, Riemann hypotheses
 - 48 Zeta functions for varieties (including mod p questions)
 - 49 Geometric analogues of arithmetic questions
 - 50 Group varieties (algebraic groups), abstract analytic groups
 - 51 Abelian varieties
 - 52 Abstract derivations and differentials
 - 55 Sheaf-theoretic and homological methods
15. LINEAR AND MULTILINEAR ALGEBRA, MATRIX THEORY
 - 05 Vector spaces, linear dependence, rank
 - 10 Linear equations
 - 15 Matrix inversion, generalized inverses
 - 20 Determinants, permanents, other special matrix functions
 - 25 Eigenvalues and eigenvectors
 - 30 Canonical forms, reductions, classification
 - 35 Matrix equations and identities
 - 38 Commutativity
 - 40 Algebraic systems of matrices (See also 16.48, 20.75)
 - 45 Matrices over special rings (quaternions, finite fields, etc.)
 - 48 Matrices of integers (See also 10.79)
 - 50 Linear inequalities
 - 55 Inequalities involving eigenvalues and eigenvectors
 - 58 Miscellaneous inequalities involving matrices
 - 60 Positive matrices
 - 65 Stochastic matrices
 - 70 Quadratic and bilinear forms, inner products
 - 75 Clifford algebras
 - 80 Multilinear algebra, tensor products
 - 85 Vector and tensor algebra, theory of invariants
 - 90 Exterior algebra, Grassman algebras
16. ASSOCIATIVE RINGS AND ALGEBRAS (See also 13.00)
 - 10 General theory
 - 15 Integral domains, unique factorization domains (non-commutative)
 - 20 Ideal theory
 - 25 Chain conditions; Artinian rings, Noetherian rings
 - 30 Radical theory
 - 32 Nil, nilpotent, radical rings
 - 40 Modules, representation
 - 42 Primitive rings
 - 44 Semisimple rings
 - 46 Simple rings, division rings
 - 48 Matrix rings
 - 49 Rings with polynomial identity
 - 50 Structure, classification
 - 53 Prime rings
 - 55 Rings with annihilator conditions
 - 56 Regular rings
 - 58 Rings with involution
 - 60 Automorphisms, derivations
 - 70 Galois theory
 - 80 Extension theory
 - 90 Homological methods
 - 94 Finite rings
 - 96 Semirings, other generalizations of rings (See also 08.00)
 - 98 Topological rings
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17. NONASSOCIATIVE RINGS AND ALGEBRAS

- 10 General
- 20 Power associative
- 30 Lie (See also 22.80)
- 40 Jordan
- 50 Alternative
- 60 Other

18. CATEGORY THEORY, HOMOLOGICAL ALGEBRA

- 10 Abstract categories and functors (See also 08.10)
- 15 Abelian categories
- 20 Homological algebra

20. GROUP THEORY AND GENERALIZATIONS

- 08 Varieties of groups
- 10 Group presentations; free groups, generators, relations
- 15 Periodic groups
- 18 Groups with local properties
- 20 Groups acting on sets, permutation groups
- 22 Automorphism groups
- 25 Finite group theory
- 27 Structure of groups, classification
- 29 Simple groups
- 30 Abelian groups
- 40 Nilpotent, solvable, p -groups
- 43 Sylow subgroups, Π -subgroups
- 48 Group extensions
- 50 Homological methods in group theory
- 51 Limits of systems of groups
- 52 General products of groups (including semi-direct, wreath, free, amalgamated)
- 54 Special subgroups
- 56 Series of subgroups
- 58 Lattices of subgroups
- 60 Crystallographic and discrete geometric groups
- 65 Modular groups, discrete subgroups of classical groups
- 70 Classical groups (See also 22.55)
- 72 Collineation groups
- 75 Linear groups, general (See also 14.50)
- 80 Representations, characters, group algebras
- 85 Representations of symmetric groups
- 90 Semigroup algebras, representations, characters
- 92 Semigroups, general theory (See also 06.70)
- 93 Semigroups, structure and classification
- 95 Other binary systems; groupoids, quasigroups, loops
- 97 Ternary systems; heaps, semiheaps, heapoids
- 98 n -ary systems (See also 08.00)

22. TOPOLOGICAL GROUPS AND LIE THEORY

- 05 Topological semigroups and other generalizations of groups
- 10 Topological groups
- 20 Locally compact groups (See also 28.75 for Haar measure, 42.50 for LCA groups)
- 40 Transformation groups (See also 54.80, 54.82, 57.47)
- 50 Lie groups
- 55 Classical groups (See also 14.50, 20.70)
- 57 Representations and analysis of classical groups (See also 81.22)
- 60 Representations and analysis, general
- 65 Harmonic analysis on non-abelian groups (See 42.50 for LCA groups)
- 70 Homogeneous spaces, symmetric spaces (See also 53.66, 53.73, 57.45)
- 80 Lie algebras of Lie groups (See also 17.30)
- 90 Other Lie theory

26. FUNCTIONS OF REAL VARIABLES

- 10 Foundations: limits and generalizations, elementary topology of the line

20. Calculus

- 21 Elementary functions
- 30 Continuity and related questions (modulus of continuity, semicontinuity, discontinuities, etc.)
- 35 Classification of real functions; Baire classification of sets and functions (See also 28.00)
- 40 Differentiation, general theory; mean-value theorems (See also 28.16)
- 41 Non-differentiability (non-differentiable functions, points of non-differentiability), discontinuous derivatives
- 43 Generalized derivatives, derivatives of fractional order
- 44 Antidifferentiation
- 45 Denjoy integral, other special integrals
- 46 Integrals of Riemann, Stieltjes and Lebesgue type (See also 28.00)
- 49 Functions of bounded variation, generalizations
- 50 Monotonic functions, generalizations
- 52 Convexity, generalizations
- 54 Fixed-point theorems
- 55 Several variables, implicit function theorems, Jacobians, transformations with several variables
- 56 Length, area, volume
- 60 Polynomials
- 70 Inequalities (of a general and miscellaneous character)
- 80 Real-analytic functions, C^∞ functions

28. MEASURE AND INTEGRATION

- 10 Classes of sets (Borel fields, σ -rings, etc.), measurable sets, Suslin sets, analytic sets (See also 04.40)
- 13 Real- or complex-valued set functions, contents, measures, outer measures, capacities, etc.
- 16 Abstract differentiation theory, differentiation of set functions (See also 26.40)
- 20 Measurable and non-measurable functions; modes of convergence
- 25 Integration with respect to measures and other set functions
- 30 Integration theory via linear functionals (Radon measures, Daniell integrals, etc.)
- 40 Measures and integrals in product spaces
- 46 Measures and integrals in function spaces, linear spaces; Wiener measure
- 50 Vector-valued measures and integrals, integration of vector-valued functions
- 55 Integration and disintegration of measures, lifting theory
- 60 Measures and integrals with values in general ordered systems
- 65 Measures on Boolean rings, measure algebras
- 70 Measure-preserving transformations, flows (dynamical systems), ergodic theory
- 75 Invariant measures, Haar measure (See also 22.20)
- 80 Length, area, volume; other geometric measure theory

30. FUNCTIONS OF A COMPLEX VARIABLE

- 01 General questions, foundations
- 02 Monogenic properties of complex functions (also polygenic and areolar monogenic functions)
- 05 Inequalities in the complex domain
- 10 Polynomials
- 11 Zeros of polynomials
- 20 Power series
- 21 Behavior on the boundary of convergence. Overconvergence
- 24 Dirichlet series
- 25 Continued fractions
- 28 Analytic continuation
- 30 Sequences and series of analytic functions; uniform convergence, normal families, normal functions
- 35 Integration; integral representations; Cauchy integral, Poisson and Poisson-Stieltjes integrals
- 36 Moment problems; interpolation problems
- 40 Conformal mapping, general theory
- 41 Capacity, harmonic measure
- 42 Univalent functions

43	Coefficient problems	15	Gamma and beta functions	21
44	Multivalent functions	17	Error function, probability integral	23
45	Riemann surfaces, uniformization	19	Elliptic functions and integrals	24
46	Algebraic functions, Abelian integrals	20	Hypergeometric functions, generalizations	30
47	Quasiconformal mapping	21	<i>E</i> -functions, <i>G</i> -functions	31
49	Automorphic functions and modular functions	25	Cylindrical functions; Bessel functions	35
50	Maximum principle. Schwarz's lemma, Phragmén-Lindelöf theorems	27	Spherical functions; Legendre polynomials and functions, spherical harmonics, ultraspherical polynomials	36
52	Extremal problems in the complex domain	28	Lamé, Mathieu, spheroidal wave functions	37
55	Entire functions, general theory	30	Wave functions	38
56	Entire functions, representation by Dirichlet series	32	Gegenbauer functions	39
57	Entire functions, growth estimates	40	Orthogonal special functions and polynomials (Čebyšev, Hermite, Jacobi, Laguerre, etc.) (See also 42.15)	42
58	Entire functions, distribution of values	45	Other special functions	43
60	Meromorphic functions, general theory	50	Special functions and Lie groups	44
61	Distribution of values, Picard-type theorems, Nevanlinna theory, defect (deficiency) theory			45
62	Theory of cluster sets, prime ends, boundary behavior			46
65	Bounded functions, positive real part, Blaschke products			47
66	Bounded mean modulus, bounded characteristic			48
67	H_p classes and other restrictions			52
70	Approximation by polynomials and rational functions in the complex domain			53
75	Boundary value problems, Dirichlet problem			55
77	Special boundary value problems; Riemann-Hilbert problem. Inverse boundary problems			57
79	Algebroidal functions			62
80	Topological function theory, functions topologically equivalent to analytic mappings			63
81	Generalized analytic mappings. Pseudo-analytic functions of Bers, Vekua, etc.			65
83	Functions of hypercomplex variables and generalized variables (See also 32.80)			70
85	Spaces of analytic functions (See also 46.30)			75
86	Kernel function and applications			76
87	Algebras of analytic functions (See also 46.55)			77
31.	POTENTIAL THEORY			78
10	Harmonic functions in the plane			79
11	Harmonic functions, general			80
15	Subharmonic, superharmonic functions			
20	Boundary value problems, Dirichlet problem			
21	Capacity and harmonic measure			
22	Generalized capacity and potential			
30	Biharmonic and polyharmonic functions and equations			
35	Poisson's equation			
50	Axiomatic potential theory			
32.	SEVERAL COMPLEX VARIABLES			
02	Foundations, general questions			
05	Polynomials, entire functions			
10	Power series, formal theory			
15	Integral representations			
17	Inequalities			
20	Domains of holomorphy			
22	Pseudoconvexity			
25	Local properties of holomorphic functions			
27	Removable singularities			
32	Complex symmetric spaces			
35	Bergman kernel function			
40	Analytic manifolds			
44	Analytic varieties			
47	Analytic spaces			
49	Stein spaces			
50	Analytic sheaves and cohomology theory			
60	Holomorphic mappings			
65	Automorphic functions			
70	Approximation theorems			
80	Nonarchimedean function theory			
33.	SPECIAL FUNCTIONS			
04	Number-theoretic functions, special sequences			
10	Exponential and trigonometric functions			
15	Gamma and beta functions			
17	Error function, probability integral			
19	Elliptic functions and integrals			
20	Hypergeometric functions, generalizations			
21	<i>E</i> -functions, <i>G</i> -functions			
25	Cylindrical functions; Bessel functions			
27	Spherical functions; Legendre polynomials and functions, spherical harmonics, ultraspherical polynomials			
28	Lamé, Mathieu, spheroidal wave functions			
30	Wave functions			
32	Gegenbauer functions			
40	Orthogonal special functions and polynomials (Čebyšev, Hermite, Jacobi, Laguerre, etc.) (See also 42.15)			
45	Other special functions			
50	Special functions and Lie groups			
34.	ORDINARY DIFFERENTIAL EQUATIONS			
02	Solutions in closed form; integration by quadratures; reduction of differential equations			
04	General existence and uniqueness theorems; continuous dependence of solution on parameter, initial and boundary conditions			
06	Differential equations in the complex domain			
10	Analytical theory; series, transformations, transforms, operational calculus, etc.			
20	Linear equations and systems, general			
30	Boundary value problems for linear equations; spectral theory, asymptotic behavior of eigenfunctions, distribution of eigenvalues (See also 47.60)			
36	Nonlinear and multi-point boundary value problems			
40	Qualitative theory, general			
41	Limit cycles, singular points			
42	Zeros, growth, oscillation and comparison of solutions			
45	Nonlinear oscillations, periodic and almost periodic solutions, integral manifolds, averaging method			
50	Asymptotic expansions, asymptotic behavior of solutions, turning points			
51	Stability			
53	Perturbations			
54	Singular perturbations; small parameter with highest derivative			
60	Equations and systems with randomness (See 60.75 for stochastic differential equations)			
65	Dynamical systems, systems on manifolds			
70	Differential equations of infinite order			
75	Functional differential equations; differential-difference equations, equations with retarded argument			
85	Optimal control problems			
90	Differential inequalities			
95	Differential equations in Banach and other abstract spaces			
35.	PARTIAL DIFFERENTIAL EQUATIONS			
01	Existence and uniqueness theorems, general			
02	Successive approximations			
03	Cauchy-Kowalewski theorems, series solutions			
04	Variational methods, a priori estimates			
05	Analytic methods; singularities			
06	Other special methods			
07	Dependence of solutions on initial and boundary data, parameters			
09	Geometric theory, characteristics, transformations			
10	Qualitative theory, general			
11	Comparison theorems; oscillation, zeros and growth of solutions			
12	Periodic solutions			
13	Perturbations			
14	Singular perturbations, almost periodic solutions			
15	Stability and control, boundedness			
16	Asymptotic behavior of solutions			
19	Differential inequalities; a priori estimates			
20	Generalized solutions			

SUBJECT CLASSIFICATION

- 21 Embedding theorems, Sobolev spaces (See also 46.38)
 - 23 Pseudodifferential operators (See also 47.65)
 - 24 Regularity of generalized solutions
 - 30 Linear equations and systems, first order
 - 31 Linear equations and systems, higher order
 - 35 Nonlinear equations and systems, first order
 - 36 Nonlinear equations and systems, higher order
 - 37 Cauchy problems
 - 38 Discontinuous coefficients or data
 - 39 Equations and systems with constant coefficients
 - 42 Second order elliptic equations
 - 43 Higher order elliptic equations
 - 44 Elliptic systems (linear or nonlinear)
 - 45 Boundary value problems for elliptic equations
 - 46 Boundary value problems for elliptic systems
 - 47 Quasilinear elliptic equations and systems
 - 48 Hypoelliptic equations and systems
 - 52 Second order hyperbolic equations
 - 53 Hyperbolic systems, hyperbolic equations of higher order
 - 55 Boundary value problems for hyperbolic equations and systems
 - 57 Quasilinear hyperbolic equations and systems
 - 62 Second order parabolic equations
 - 63 Parabolic systems, parabolic equations of higher order
 - 65 Boundary value problems for parabolic equations and systems
 - 70 Equations and systems of mixed type (boundary value problems, etc.)
 - 75 Laplace's equation, reduced wave equation, Poisson's equation
 - 76 Wave equation
 - 77 Schrödinger equation
 - 78 Heat equation
 - 79 Other special equations and problems
 - 80 Eigenvalue problems, spectral theory, eigenfunction expansions (See also 47.65)
 - 88 Difference-partial differential equations; equations with time lag
 - 95 Operator equations, general (See also 34.95)
 - 96 Equations on manifolds
 - 97 Equations in function spaces
39. FINITE DIFFERENCES AND FUNCTIONAL EQUATIONS
- 10 Finite differences, general
 - 20 Difference equations (See also 65.70)
 - 30 Functional equations, general
 - 31 Classical functional equations
 - 33 Linear and multilinear functional equations
 - 35 Functional equations in several variables, systems
 - 37 Matrix functional equations
 - 38 Functional equations on abstract structures
40. SEQUENCES, SERIES, SUMMABILITY
- 10 Series and sequences of numbers, general
 - 11 Infinite products
 - 12 Continued fractions
 - 13 Convergence and divergence
 - 15 Multiple series and sequences
 - 20 Sequences and series of functions, convergence
 - 30 Summability, general methods
 - 31 Summability, matrix methods
 - 32 Cesàro summability
 - 33 Abel, Poisson summability
 - 35 Summability of double series
 - 40 Convergence and summability of integrals
 - 42 Tauberian theorems
 - 46 Functional-analytic methods in summability theory
 - 50 Summability in topological groups, linear spaces, etc.
41. APPROXIMATIONS AND EXPANSIONS
- 10 Interpolation
 - 15 Polynomial approximation (See also 30.70)
 - 17 Approximation by rational functions (See also 30.70)
 - 30 Approximation by other special function classes
 - 35 Approximation by operators (in particular, by integral operators)
 - 40 Best approximation
 - 41 Degree of approximation, rate of convergence
 - 44 Approximate quadratures
 - 50 Asymptotic expansions
 - 55 Constructive theory of functions
 - 60 Abstract approximation theory; approximation in normed linear spaces and other abstract spaces
42. FOURIER ANALYSIS
- 05 Trigonometric polynomials
 - 06 Best approximation by trigonometric polynomials
 - 08 Trigonometric interpolation
 - 10 Fourier coefficients
 - 11 Convergence of Fourier series
 - 12 Absolute convergence of Fourier series
 - 15 Orthogonal functions and polynomials, general (See also 33.40)
 - 16 Expansions in orthogonal functions and polynomials
 - 17 Completeness of sets of orthogonal functions
 - 18 Completeness, closure, spectral synthesis
 - 20 Summability of Fourier and generalized Fourier expansions
 - 25 Fourier transform
 - 26 Other Fourier-type transforms
 - 27 Trigonometric moment problems
 - 30 Almost periodic functions
 - 35 Positive definite functions
 - 40 Multiple Fourier series and integrals
 - 50 Abstract harmonic analysis (Fourier analysis on LCA groups) (See also 22.65)
 - 51 Characters, duality
 - 52 Fourier-Stieltjes transform
 - 54 Positive definite functions on LCA groups
 - 55 Convolution, factorization
 - 56 Measure algebras, group algebras (See also 46.80)
 - 58 Ideals, spectral synthesis
44. INTEGRAL TRANSFORMS, OPERATIONAL CALCULUS
- 10 Laplace transform
 - 25 Convolution
 - 28 General transforms
 - 30 Special transforms: Legendre, Hilbert, etc. (See also 45.33)
 - 32 Multiple transforms
 - 33 Transforms of special functions
 - 40 Operational calculus
 - 42 Operational calculus in several variables
 - 50 Fractional integrals (See also 26.43)
 - 60 Moment problems (See also 42.27)
45. INTEGRAL EQUATIONS
- 10 Linear integral equations, general (See also 47.70)
 - 11 Fredholm equations
 - 12 Eigenvalue problems
 - 13 Volterra equations
 - 15 Singular equations
 - 20 Systems of linear equations
 - 30 Nonlinear integral equations (See also 47.80)
 - 31 Singular nonlinear equations
 - 33 Miscellaneous special kernels (See also 44.30)
 - 40 Integro-differential equations, ordinary
 - 45 Integro-partial differential equations
46. FUNCTIONAL ANALYSIS
- 01 Topological linear spaces
 - 06 Ordered TLS; vector lattices
 - 10 Normed linear spaces, Banach spaces
 - 15 Inner product spaces, Hilbert spaces, spaces with an indefinite metric
 - 20 Other special spaces
 - 25 Spaces of continuous functions

- 30 Spaces of differentiable and analytic functions
- 35 Spaces of measurable functions; L^p spaces, Orlicz spaces
- 38 Sobolev spaces, embedding theorems, interpolation spaces (See also 35.21, 47.65)
- 40 Distributions, generalized functions
- 45 Derivatives and differentials in abstract spaces
- 50 Topological algebras, normed rings and algebras, Banach algebras: general theory
- 55 Commutative Banach algebras; function algebras
- 60 Rings and algebras with an involution, \ast -algebras: general theory
- 65 Rings and algebras of operators (with or without involution); C^\ast -algebras, von Neumann algebras
- 80 Group algebras, convolution algebras (See also 22.65, 42.56)
- 90 Miscellaneous applications of functional analysis
- 47. OPERATOR THEORY
 - 10 Single linear operators, general theory
 - 20 Operators in ordered spaces
 - 25 Operators in function spaces and other special spaces (See also 28.70)
 - 30 Spectral theory, functional calculus
 - 35 Reducibility, invariant subspaces
 - 40 Structure, classification, canonical forms
 - 45 Compact (completely continuous) operators
 - 48 Perturbation theory
 - 50 Semigroups and groups of operators
 - 55 Other systems of operators (See also 46.65)
 - 60 Ordinary differential operators (See also 34.30)
 - 65 Partial differential operators (See also 35.80)
 - 70 Integral and integro-differential operators
 - 80 Nonlinear operators, general theory
 - 85 Fixed-point theorems (See also 54.85)
 - 90 Miscellaneous applications
- 49. CALCULUS OF VARIATIONS, OPTIMAL CONTROL (See also 03.40)
- 50. GEOMETRY (See also 14.00)
 - 05 Foundations
 - 10 Euclidean
 - 14 Constructions
 - 20 Affine geometry, general
 - 25 Transformations
 - 30 Projective geometry, general
 - 35 Transformations
 - 38 Second-order loci
 - 40 Non-Euclidean geometry (i.e. hyperbolic or elliptic)
 - 48 Special geometries
 - 60 Finite geometries (See also 05.27)
 - 70 Projective planes
 - 90 Regular figures, divisions of space (See also 53.00)
- 52. CONVEX SETS AND GEOMETRIC INEQUALITIES
 - 10 Convex polyhedra
 - 25 Convex curves
 - 30 Convex regions
 - 34 Helly-type theorems
 - 40 Extremum problems and geometric inequalities
 - 45 Packing and covering (See also 50.90)
 - 50 Distance geometries
- 53. DIFFERENTIAL GEOMETRY
 - 01 Curves and surfaces in Euclidean spaces
 - 04 Minimal surfaces
 - 10 Affine differential geometry
 - 20 Projective differential geometry
 - 23 Differential line geometry
 - 25 Conformal differential geometry
 - 30 Non-Euclidean differential geometry
 - 32 Other special differential geometries
- 35 Vector and tensor analysis
- 38 Spinor analysis
- 40 Differentiable manifolds (general theory), e.g., definitions, jets, tangent bundles (See also 57.30)
- 42 Differential invariants (local theory), geometric objects
- 45 Differential calculus (global theory); forms, currents, integration, tensor fields, etc. (See also 57.50)
- 50 Connections, general
- 52 G -structures
- 55 Affine connections
- 60 Projective connections
- 66 Homogeneous manifolds (See also 22.70, 57.45)
- 70 Local Riemannian geometry
- 72 Riemannian manifolds
- 73 Symmetric spaces (See also 22.70, 57.45)
- 74 Submanifolds, isometric imbeddings (See also 57.20)
- 75 Global surface theory (convex surfaces)
- 78 Lorentz metrics and generalizations
- 80 Hermitian and Kählerian structures (See also 32.00, 57.60)
- 85 Finsler spaces and generalizations (areal metrics)
- 90 Integral geometry
- 95 Direct methods (G -spaces of Busemann), geometric orders
- 99 Other generalizations
- 54. GENERAL TOPOLOGY
 - 10 Axiomatics; generalizations of topological spaces, syntopogenous spaces
 - 20 Topological spaces, general
 - 22 Convergence notions
 - 23 Separation axioms, T_1 -spaces
 - 25 General constructs (products, quotients, limits, etc.)
 - 28 Function spaces
 - 30 Uniform structures, proximity spaces
 - 35 Metric spaces, metrizability
 - 38 Moore spaces
 - 40 Countability conditions, separability, Lindelöf spaces
 - 50 Paracompact spaces
 - 52 Compactness, local compactness, generalizations
 - 53 Compactifications, other extensions
 - 55 Connectedness, continua
 - 56 Ordered topological spaces (See also 06.65)
 - 60 Mappings
 - 65 Set-valued mappings
 - 70 Dimension theory (See also 55.38)
 - 75 Topology of E_n , 2-manifolds
 - 78 Topology of E_n , n -manifolds ($n > 2$)
 - 80 Transformation groups and semigroups (See also 22.40)
 - 82 Topological dynamics
 - 85 Fixed-point theorems, coincidence theorems, etc. (See also 47.85)
- 55. ALGEBRAIC TOPOLOGY
 - 10 Graphs, map-coloring (See also 05.40)
 - 20 Knots, links (See also 57.20)
 - 25 Cell-complexes, simplicial complexes
 - 30 Homology and cohomology theories; K -theory
 - 32 Sheaves
 - 34 Cohomology operations, Steenrod algebra
 - 36 Periodic transformations, fixed points, coincidences (Smith theory)
 - 38 Dimension theory (See also 54.70)
 - 40 Homotopy theory, general
 - 42 Algebra of mappings (including cohomotopy groups)
 - 45 Computation of homotopy groups
 - 50 Fiber spaces (See also 57.30)
 - 52 Spectral sequences
 - 60 Manifolds (See also 53.40, 54.78, 57.01)
 - 66 Generalized manifolds, local homology
 - 68 Homotopy manifolds
 - 70 Imbedding, immersion (See also 57.20)

SUBJECT CLASSIFICATION

57. TOPOLOGY AND GEOMETRY OF MANIFOLDS

- 01 Topological manifolds, combinatorial manifolds (See also 55.60)
- 05 Geometric topology
- 10 Differentiable structures, cobordism
- 20 Differentiable mappings, imbeddings, immersions, diffeomorphisms (See also 53.74, 55.70)
- 30 Fiber bundles, vector bundles (See also 53.40, 55.50)
- 31 Topology of differentiable manifolds (See also 54.78)
- 32 Characteristic classes
- 34 Topology of vector and tensor fields
- 36 Foliations (See also 34.65)
- 40 Topology of Lie groups
- 45 Topology of homogeneous spaces (See also 22.70, 53.66, 53.73)
- 47 Transformation groups (See also 22.40, 54.80)
- 50 Analysis on differentiable manifolds (See also 53.72)
- 55 Infinite-dimensional manifolds
- 60 Complex manifolds (See also 32.00, 53.80)
- 70 Infinite Lie groups, deformations

60. PROBABILITY

- 02 Axioms, foundations
- 05 Probabilistic measure theory
- 08 Probability in topological groups, other structures
- 10 Combinatorial probability
- 15 Geometric probability
- 20 Distributions, characteristic functions
- 30 Limit theorems
- 40 Stochastic processes, general theory
- 50 Stationary processes
- 60 Markov processes, general
- 62 Hunt processes, diffusion processes, Brownian motion, probabilistic potential theory
- 65 Markov chains
- 66 Random walks
- 67 Branching processes; Galton-Watson, birth-and-death processes
- 69 Other special processes
- 70 Renewal theory
- 75 Stochastic differential and integral equations
- 80 Queuing, congestion, allocation, storage
- 90 Other applications

62. STATISTICS

- 05 Foundations: axiomatics, sufficiency, invariance, other general considerations
- 10 Distribution theory
- 15 Asymptotic theory
- 16 Exact and asymptotic efficiency
- 20 Estimation: parametric case
- 25 Hypothesis testing: parametric case
- 30 Decision theory
- 31 Ranking and selection
- 35 Bayesian inference
- 40 Multivariate analysis
- 41 Classification and discrimination
- 45 Sequential methods
- 50 Information-theoretic methods
- 55 Linear statistical inference, regression analysis
- 56 Analysis of variance; hierarchical models
- 60 Design and analysis of experiments, general
- 61 Construction of designs (See also 05.20)
- 62 Optimal designs
- 63 Factorial designs
- 64 Paired and multiple comparisons
- 70 Non-parametric methods
- 71 Goodness-of-fit tests
- 75 Order statistics
- 80 Engineering statistics; life testing and reliability, quality control
- 85 Statistical analysis of stochastic processes; time series

- 90 Sample surveys
- 95 Count data, contingency tables
- 97 Biometrics
- 99 Other applications

65. NUMERICAL METHODS

- 05 Tables, construction of tables
- 10 General mathematical methods; iteration, acceleration of convergence, numerical experiments
- 15 Monte Carlo methods
- 20 Interpolation, smoothing, least squares, curve fitting, approximation of functions
- 25 Computation of special functions, series, integrals
- 30 Mathematical programming and optimization techniques
- 33 Linear inequalities
- 35 Linear equations, determinants, matrices
- 40 Eigenvalues, eigenvectors
- 50 Solution of algebraic and transcendental equations and systems
- 55 Numerical differentiation and integration, quadrature, cubature, etc.
- 60 Ordinary differential equations, general
- 61 Initial value problems
- 62 Boundary value problems
- 65 Partial differential equations, general
- 66 Elliptic equations
- 67 Hyperbolic equations
- 68 Parabolic equations
- 70 Difference and functional equations
- 75 Integral and integro-differential equations
- 80 Error analysis
- 82 Miscellaneous inequalities
- 85 Graphical methods
- 90 Harmonic analysis and synthesis

68. COMPUTING MACHINES

69. GENERAL APPLIED MATHEMATICS

70. MECHANICS OF PARTICLES AND SYSTEMS

- 34 Ordinary differential equations
- 35 Partial differential equations
- 45 Integral and integro-differential equations
- 49 Calculus of variations
- 60 Probability
- 65 Numerical methods

73. ELASTICITY, PLASTICITY

- 34 Ordinary differential equations
- 35 Partial differential equations
- 44 Integral transforms
- 45 Integral and integro-differential equations
- 46 Functional analysis
- 49 Calculus of variations
- 60 Probability
- 65 Numerical methods

76. FLUID MECHANICS, ACOUSTICS

- 34 Ordinary differential equations
- 35 Partial differential equations
- 41 Approximations and expansions
- 44 Integral transforms
- 45 Integral and integro-differential equations
- 46 Functional analysis
- 49 Calculus of variations
- 60 Probability
- 65 Numerical methods

78. OPTICS, ELECTROMAGNETIC THEORY

- 31 Potential theory
- 34 Ordinary differential equations
- 35 Partial differential equations

SUBJECT CLASSIFICATION

- 45 Integral and integro-differential equations
- 65 Numerical methods
80. CLASSICAL THERMODYNAMICS, HEAT TRANSFER
 - 31 Potential theory
 - 35 Partial differential equations
81. QUANTUM MECHANICS
 - 06 Order, lattices
 - 22 Lie groups and algebras, representations
 - 30 Functions of a complex variable
 - 31 Potential theory
 - 32 Several complex variables
 - 34 Ordinary differential equations
 - 35 Partial differential equations
 - 45 Integral and integro-differential equations
 - 46 Functional analysis; C^* -algebras
 - 47 Operator theory
 - 60 Probability
 - 62 Statistics
82. STATISTICAL PHYSICS, STRUCTURE OF MATTER
 - 20 Group theory
 - 45 Integral and integro-differential equations
 - 62 Statistics
83. RELATIVITY
 - 35 Partial differential equations
 - 53 Differential geometry
85. ASTRONOMY AND ASTROPHYSICS
86. GEOPHYSICS
90. ECONOMICS, OPERATIONS RESEARCH, PROGRAMMING, GAMES
 - 10 Economics
 - 30 Operations research
- 40 Multi-stage decision processes, dynamic programming (general)
- 50 Linear programming
- 56 Integer programming
- 57 Stochastic programming
- 58 Nonlinear programming, general
- 59 Quadratic programming
- 60 Convex programming
- 70 Game theory
- 72 Stochastic games
- 75 Differential and continuous games (See also 93.40)
92. BIOLOGY AND BEHAVIORAL SCIENCES
 - 10 Biology
 - 20 Genetics
 - 30 Population dynamics, epidemiology
 - 40 Sociology
 - 50 Psychology
93. SYSTEMS, CONTROL
 - 10 Systems, general
 - 20 Stability, qualitative behavior
 - 40 Optimal control (See also 34.85, 35.15, 49.00, 90.00)
 - 60 Stochastic control
 - 70 Adaptive control
94. INFORMATION AND COMMUNICATION, CIRCUITS, AUTOMATA
 - 10 Communication theory
 - 20 Information theory
 - 30 Circuits, networks; applications of graph theory, Boolean algebra
 - 40 Automata, general (See also 02.88)
 - 45 Probabilistic automata
 - 50 Linguistics, formal languages

ABBREVIATIONS OF NAMES OF JOURNALS

This list gives the form of references used in MATHEMATICAL REVIEWS and the complete title; the place of publication and other pertinent information are given in parentheses when desirable for clarity. An asterisk indicates that the journal has not previously been listed.

- Abh. Akad. Wiss. Göttingen Math.-Phys. Kl.* Abhandlungen der Akademie der Wissenschaften in Göttingen. Mathematisch-Physikalische Klasse. (Göttingen)
- Abh. Braunschweig. Wiss. Gesell.* Abhandlungen der Braunschweigischen Wissenschaftlichen Gesellschaft. (Braunschweig)
- Abh. Deutsch. Akad. Wiss. Berlin Kl. Math. Phys. Tech.* Abhandlungen der Deutschen Akademie der Wissenschaften zu Berlin. Klasse für Mathematik, Physik und Technik. (Berlin)
- Abh. Math. Sem. Univ. Hamburg.* Abhandlungen aus dem Mathematischen Seminar der Universität Hamburg. (Hamburg)
- Abh. Sächs. Akad. Wiss. Leipzig Math.-Natur. Kl.* Abhandlungen der Sächsischen Akademie der Wissenschaften zu Leipzig. Mathematisch-Naturwissenschaftliche Klasse. (Leipzig)
- Abstracts Bulgarian Sci. Lit. Math. Phys. Astronom. Geophys. Geodes.* Bulgarian Academy of Sciences. Centre of Scientific Information and Documentation. Abstracts of Bulgarian Scientific Literature. Mathematics, Physics, Astronomy, Geophysics, Geodesy. (Sofia)
- Acad. Roy. Belg. Bull. Cl. Sci.* Académie Royale de Belgique. Bulletin de la Classe des Sciences. Koninklijke Belgische Academie. Mededelingen van de Klasse der Wetenschappen. (Brussels)
- Acad. Roy. Belg. Cl. Sci. Mém. Coll. in-8°.* Académie Royale de Belgique. Classe des Sciences. Mémoires. Collection in-8°. Koninklijke Belgische Academie. Klasse der Wetenschappen. Verhandelingen. Verzameling in-8°. (Brussels)
- Acad. Serbe Sci. Arts Glas.* Académie Serbe des Sciences et des Arts. Glas. Classe des Sciences Mathématiques et Naturelles. Nouvelle Série. (Belgrade)
- Accad. Naz. Sci. Lett. Arti Modena Atti Mem.* Accademia Nazionale di Scienze Lettere e Arti. Modena. Atti e Memorie. (Modena)
- Acta Acad. Abo. Ser. B.* Acta Academiae Aboensis, Ser. B. Mathematica et Physica. Matematik-Naturvetenskap-Teknik. (Åbo = Turku)
- Acta Acust. Sinica.* Acta Acustica Sinica. (Peking)
- Acta Arith. Polska Akademia Nauk. Instytut Matematyczny.* Acta Arithmetica. (Warsaw)
- Acta Astronom. Sinica.* Acta Astronomica Sinica. (Peking)
- Acta Ci. Compostelana.* Acta Científica Compostelana. (Santiago de Compostela)
- Acta Ci. Venezolana.* Acta Científica Venezolana. Asociación Venezolana para el Avance de la Ciencia. (Caracas)
- **Acta Cybernet.* Acta Cybernetica. (Szeged)
- Acta Fac. Rerum Natur. Univ. Comenian.* Acta Facultatis Rerum Naturalium Universitatis Comenianae. (Bratislava) (Continued as: *Acta Fac. Rerum Natur. Univ. Comenian. Math.*)
- Acta Fac. Rerum Natur. Univ. Comenian. Math.* Acta Facultatis Rerum Naturalium Universitatis Comenianae. Mathematica. (Bratislava) (Formerly: *Acta Fac. Rerum Natur. Univ. Comenian.*)
- Acta Math.* Acta Mathematica. (Uppsala)
- Acta Math. Acad. Sci. Hungar.* Acta Mathematica Academiae Scientiarum Hungaricae. (Budapest)
- Acta Math. Sinica.* Acta Mathematica Sinica. (Peking) (Translated as: *Chinese Math.—Acta*)
- Acta Mech.* Acta Mechanica. (Vienna)
- Acta Mech. Sinica (New York).* Acta Mechanica Sinica. (New York) (Translation of *Acta Mech. Sinica (Peking)*)
- Acta Mech. Sinica (Peking).* Acta Mechanica Sinica. (Peking) (Translated as: *Acta Mech. Sinica (New York)*)
- Acta Mexicana Ci. Tecn.* Instituto Politécnico Nacional. Acta Mexicana de Ciencia y Tecnología. (Mexico City)
- Acta Philos. Fenn.* Acta Philosophica Fennica. (Helsinki)
- Acta Phys. Acad. Sci. Hungar.* Acta Physica Academiae Scientiarum Hungaricae. (Budapest)
- Acta Phys. Austriaca.* Acta Physica Austriaca. (Vienna)
- Acta Phys. Sinica.* Acta Physica Sinica. (Peking) (Translated as: *Chinese J. Phys. (Peking)*)
- Acta Polytech. Scand. Math. and Comput. Mach. Ser.* Acta Polytechnica Scandinavica. Mathematics and Computing Machinery Series. (Stockholm)
- Acta Sci. Math. (Szeged).* Acta Universitatis Szegediensis. Acta Scientiarum Mathematicarum. (Szeged)
- Acta Sci. Natur. Univ. Pekinensis.* Acta Scientiarum Naturalium Universitatis Pekinensis. (Peking)
- **Acta Sci. Vietnam.* Acta Scientiarum Vietnamicarum. Sectio Scientiarum Mathematicarum et Physicarum. (Hanoi)
- Acta Tech. Acad. Sci. Hungar.* Acta Technica Academiae Scientiarum Hungaricae. (Budapest)
- Acta Tech. ČSAV.* Acta Technica. Československá Akademie Věd. (Prague)
- Acta Univ. Tamper. Ser. A.* Acta Universitatis Tampereensis. Series A. (Helsinki)
- Acta Univ. Wratislav.* Acta Universitatis Wratislaviensis. (Wrocław)
- Actualités Sci. Indust.* Actualités Scientifiques et Industrielles. (Paris)
- Advances in Appl. Probability.* Advances in Applied Probability. (Sheffield)
- Advances in Math.* Advances in Mathematics. (New York)
- Aequationes Math.* Aequationes Mathematicae. (Basel-Waterloo)
- AIAA J.* AIAA Journal. American Institute of Aeronautics and Astronautics. (Easton, Pa.)
- Akad. Nauk Armjan. SSR Dokl.* Akademija Nauk Armjanakol SSR. Doklady. (Erevan)
- Akad. Nauk Azerbaidžan. SSR Dokl.* Akademija Nauk Azerbaidžanakol SSR. Doklady. (Baku)
- Akad. Nauk Azerbaidžan. SSR Trudy Inst. Mat. Meh.* Akademija Nauk Azerbaidžanakol SSR. Trudy Instituta Matematiki i Mehaniki. (Baku)
- Akad. Nauk Gruzin. SSR Trudy Tbiliss. Mat. Inst. Razmadze.* Akademija Nauk Gruzinskol SSR. Trudy Tbilisskogo Matematičeskogo Instituta im. A. M. Razmadze. (Tbilisi) See Sakharid. SSR Mecn. Akad. Math. Inst. Šrom.
- Akad. Nauk Kazah. SSR Trudy Astrofiz. Inst.* Akademija Nauk Kazahskol SSR. Trudy Astrofizičeskogo Instituta. (Alma-Ata)
- Akad. Nauk Kazah. SSR Trudy Sek. Mat. Meh.* Akademija Nauk Kazahskol SSR. Trudy Sektora Matematiki i Mehaniki. (Alma-Ata)

ABBREVIATIONS OF NAMES OF JOURNALS

- Akad. Nauk SSSR Sibirsk. Otdel. Inst. Avtomat. Elektrometr. Trudy.* Akademija Nauk SSSR. Sibirskoe Otdelenie. Institut Avtomatiki i Elektrometrii. Trudy. (Novosibirsk)
- Akad. Nauk SSSR Trudy Jakutsk. Filial. Ser. Fiz.* Akademija Nauk SSSR. Trudy Jakutskogo Filiala. Serija fizičeskaja. (Moscow)
- Akad. Nauk Uzbek. SSR Trudy Inst. Mat.* Akademija Nauk Uzbekako'i SSR. Trudy Instituta Matematiki im. V. I. Romanovskogo. (Tashkent)
- Akad. Wiss. Lit. Mainz Abh. Math.-Natur. Kl.* Akademie der Wissenschaften und der Literatur in Mainz. Abhandlungen der Mathematisch-Naturwissenschaftlichen Klasse. (Wienbaden)
- Akust. Ž.* Akademija Nauk SSSR. Akustičeskij Žurnal. (Moscow) (Translated as: *Soviet Physics Acoust.*)
- **Algebra and Logic.* Algebra and Logic. (New York) (Translation of *Algebra i Logika*)
- Algebra i Logika.* Akademija Nauk SSSR. Sibirskoe Otdelenie. Institut Matematiki. Algebra i Logika. (Novosibirsk)
- Algoritmy i Algoritmy. Jazyki.* Vyčislitel'nyj Centr Akademii Nauk SSSR. Algoritmy i Algoritmičeskije Jazyki. (Moscow)
- Algoritmy.* Algoritmy. Prace Instytutu Maszyn Matematycznych Polakiej Akademii Nauk. (Warsaw)
- Allgemein. Statist. Arch.* Allgemeines statistisches Archiv. Organ der Deutschen Statistischen Gesellschaft. (Munich)
- Amer. J. Math.* American Journal of Mathematics. (Baltimore, Md.)
- Amer. J. Phys.* American Journal of Physics. (New York)
- Amer. Math. Monthly.* The American Mathematical Monthly. (Buffalo, N.Y.)
- Amer. Math. Soc. Transl.* American Mathematical Society Translations. (Providence, R.I.)
- Amer. Statist.* The American Statistician. (Washington, D.C.)
- AMR.* Applied Mechanics Reviews. (New York)
- An. Acad. Brazil. Ci.* Anais da Academia Brasileira de Ciencias. (Rio de Janeiro)
- An. Fac. Ci. Univ. Porto.* Anais da Faculdade de Ciências. Universidade do Porto. (Porto, Portugal)
- An. Inst. Mat. Univ. Nac. Autónoma México.* Anales del Instituto de Matemática. Universidad Nacional Autónoma de México. (Mexico City)
- An. Ști. Univ. "Al. I. Cuza" Iași Secț. I a Mat.* Analele Științifice ale Universității "Al. I. Cuza" din Iași. (Seria Nouă). Secțiunea I a Matematică. (Iași)
- **An. Univ. București Fiz.* Analele Universității București. Fizică. (Bucharest) (Formerly: *An. Univ. București Ser. Ști. Natur. Fiz.*)
- **An. Univ. București Mat.-Mec.* Analele Universității București. Matematică-Mecanică. (Bucharest) (Formerly: *An. Univ. București Ser. Ști. Natur. Mat.-Mec.*)
- An. Univ. București Ser. Acta Logica.* Analele Universității București. Seria Acta Logica. (Bucharest)
- An. Univ. București Ser. Ști. Natur. Fiz.* Analele Universității București. Seria Științele Naturii. Fizică. (Bucharest) (Continued as: *An. Univ. București Fiz.*)
- An. Univ. București Ser. Ști. Natur. Mat.-Mec.* Analele Universității București. Seria Științele Naturii. Matematică-Mecanică. (Bucharest) (Continued as: *An. Univ. București Mat.-Mec.*)
- An. Univ. Timișoara Ser. Ști. Mat.-Fiz.* Analele Universității din Timișoara. Seria Științe Matematice-Fizice. (Timișoara)
- Ann. Acad. Sci. Fenn. Ser. A I.* Suomalaisen Tiedekatemian Toimituksia. Sarja A. Annales Academiæ Scientiarum Fennicæ. Series A. I. Mathematica. (Helsinki)
- Ann. Acad. Sci. Fenn. Ser. A VI.* Suomalaisen Tiedekatemian Toimituksia. Sarja A. Annales Academiæ Scientiarum Fennicæ. Series A. VI. Physica. (Helsinki)
- Ann. Astrophys.* Annales d'Astrophysique. (Paris) (Continued as: *Astronom. and Astrophys.*)
- Ann. École Nat. Sup. Méc. Nantes.* Annales École Nationale Supérieure de Mécanique. (Nantes)
- Ann. Fac. Sci. Univ. Toulouse.* Annales de la Faculté des Sciences de l'Université de Toulouse pour les Sciences Mathématiques et les Sciences Physiques. (Toulouse)
- Ann. Inst. Fourier (Grenoble).* Université de Grenoble. Annales de l'Institut Fourier. (Grenoble)
- Ann. Inst. H. Poincaré Sect. A.* Annales de l'Institut Henri Poincaré. Section A: Physique théorique. (Paris)
- Ann. Inst. H. Poincaré Sect. B.* Annales de l'Institut Henri Poincaré. Section B: Calcul des probabilités et statistique. (Paris)
- Ann. Inst. Statist. Math.* Annals of the Institute of Statistical Mathematics. (Tokyo)
- Ann. Japan Assoc. Philos. Sci.* Annals of the Japan Association for Philosophy of Science. (Tokyo)
- Ann. Mat. Pura Appl.* Annali di Matematica Pura ed Applicata. (Bologna)
- Ann. Math. Logic.* Annals of Mathematical Logic. (Amsterdam)
- Ann. Math. Statist.* The Annals of Mathematical Statistics. (Baltimore, Md.)
- Ann. of Math.* Annals of Mathematics. (Princeton, N.J.)
- Ann. of Sci.* Annales of Science. (London)
- Ann. Physics.* Annals of Physics. (New York)
- Ann. Physik.* Annalen der Physik. (Leipzig)
- Ann. Physique.* Annales de Physique. (Paris)
- Ann. Polon. Math.* Polska Akademia Nauk. Annales Polonici Mathematici. (Warsaw)
- Ann. Sci. École Norm. Sup.* Annales Scientifiques de l'École Normale Supérieure. (Paris)
- Ann. Scuola Norm. Sup. Pisa.* Annali della Scuola Normale Superiore di Pisa. Scienze Fisiche e Matematiche. (Pisa)
- Ann. Soc. Sci. Bruxelles Sér. I.* Annales de la Société Scientifique de Bruxelles. Série I. Sciences Mathématiques, Astronomiques et Physiques. (Brussels)
- Ann. Télécommun.* Annales des Télécommunications. (Paris)
- Ann. Univ. Ferrara Ser. VII.* Annali dell'Università di Ferrara. (Nuovo Serie). Sezione VII. Scienze Matematiche. (Ferrara)
- Ann. Univ. Mariae Curie-Skłodowska Sect. A.* Annales Universitatis Mariae Curie-Skłodowska. Section A. Mathematics. (Lublin)
- Ann. Univ. Sarav. Math.-Natur. Fak.* Annales Universitatis Saraviensis. Mathematisch-Naturwissenschaftliche Fakultät. (Berlin)
- Ann. Univ. Sci. Budapest. Eötvös Sect. Math.* Annales Universitatis Scientiarum Budapestinensis de Rolando Eötvös Nominatae. Sectio Mathematica. (Budapest)
- Ann. Univ. Turku. Ser. A I.* Annales Universitatis Turkuensis. Series A. I. Astronomica-Chemica-Physica-Mathematica. (Turku)
- Annuaire Univ. Sofia Fac. Math.* Godišnik na Sofijskija Universitet Matematičeski Fakultet. Annuaire de l'Université de Sofia. Faculté de Mathématiques. (Sofia)
- Annuaire Univ. Sofia Fac. Phys.* Godišnik na Sofijskija Universitet Fizičeski Fakultet. Annuaire de l'Université de Sofia. Faculté de Physique. (Sofia)
- Annual Rep. Coll. Lib. Arts Univ. Iwate.* Annual Report of the College of Liberal Arts, University of Iwate. (Kakusanwaki) (Continued as: *Annual Rep. Fac. Ed. Univ. Iwate*)
- **Annual Rep. Fac. Ed. Univ. Iwate.* Annual Report of the Faculty of Education, University of Iwate. (Kakusanwaki) (Formerly: *Annual Rep. Coll. Lib. Arts Univ. Iwate*)
- Appl. Mat.* Československá Akademie Věd. Aplikace Matematiky. (Prague)

ABBREVIATIONS OF NAMES OF JOURNALS

- Appl. Mech. Rev.* Applied Mechanics Reviews. (New York) (Sometimes abbreviated as *AMR* in the text of *Math. Reviews*)
- Appl. Sci. Res.* Applied Scientific Research. (The Hague)
- Appl. Statist.* Applied Statistics. A Journal of the Royal Statistical Society. (London) (Continued as: *J. Roy. Statist. Soc. Ser. C Appl. Statist.*)
- Årbok Univ. Bergen Mat.-Natur. Ser.* Årbok for Universitetet i Bergen. Mat.-Naturv. Serie. (Bergen)
- Arch. Automat. i Telemekh.* Instytut Automatyki Polskiej Akademii Nauk. Archiwum Automatyki i Telemekhaniki. (Warsaw)
- Arch. Elek. Übertr.* Archiv der elektrischen Übertragung. (Stuttgart)
- Arch. History Exact Sci.* Archive for History of Exact Sciences. (Berlin)
- Arch. Internat. Histoire Sci.* Archives Internationales d'Histoire des Sciences. (Paris)
- Arch. Math. (Basel).* Archiv der Mathematik. Archives of Mathematics. Archives Mathématiques. (Basel-Stuttgart)
- Arch. Math. (Brno).* Spisy Přírodovědecké Fakulty University J. E. Purkyně v Brně. Archivum Mathematicum. (Brno)
- Arch. Math. Logik Grundlagenforsch.* Archiv für mathematische Logik und Grundlagenforschung. (Stuttgart)
- Arch. Mech. Stos.* Polska Akademia Nauk. Instytut Podstawowych Problemów Techniki. Archiwum Mechaniki Stosowanej. (Warsaw)
- Arch. Rational Mech. Anal.* Archive for Rational Mechanics and Analysis. (Berlin)
- Archimede.* Archimede. Rivista per gli Insegnanti e i Cultori di Matematiche Pure e Applicate. (Florence)
- Ark. Astronom.* Arkiv för Astronomi. (Stockholm)
- Ark. Fys.* Arkiv för Fysik. (Stockholm)
- Ark. Mat.* Arkiv för Matematik. (Stockholm)
- Arkhimedes.* Arkhimedes. Suomen Fysiikkoseura—Finlands Fysikerförening r.y. Suomen Matemaattinen Yhdistys—Finlands Matematiska Förening r.y. (Helsinki)
- Armjan. Gos. Ped. Inst. Sb. Naučn. Trud. Ser. Fiz.-Mat.* Armjanskij Gosudarstvennyj Pedagogičeskij Institut imeni H. Abovjan. Sbornik Naučnyh Trudov. Serija Fiziko-Matematičeskaja. (Erevan)
- Arquivo Inst. Gulbenkian Ci. A Estud. Mat. Fis.-Mat.* Arquivo do Instituto Gulbenkian de Ciência. A. Estudos Matemáticos e Físico-Matemáticos. (Lisbon)
- Assoc. Roy. Actuar. Belges Bull.* Association Royale des Actuairens Belges. Bulletin. (Brussels)
- Astrofizika.* Akademija Nauk Armjanskoi SSR. Astrofizika. (Erevan) (Translated as: *Astrophysics*)
- Astronaut. Acta.* Astronautica Acta. (Vienna)
- Astronom. and Astrophys.* Astronomy and Astrophysics. (Berlin) (Formerly: *Ann. Astrophys.*; *Bull. Astronom.*; *Bull. Astronom. Inst. Netherlands*; *Journal des Observateurs* and *Z. Astrophys.*)
- Astronom. J.* The Astronomical Journal. (New Haven, Conn.)
- Astronom. Jber.* Astronomischer Jahresbericht. (Berlin)
- Astronom. Nachr.* Astronomische Nachrichten. (Berlin)
- Astronom. Ž.* Akademija Nauk SSSR. Astronomičeskij Žurnal. (Moscow) (Translated as: *Soviet Astronom. AJ*)
- Astrophys. J.* The Astrophysical Journal. (Chicago, Ill.)
- Astrophysics.* Astrophysics. (A translation of *Astrofizika* of the Academy of Sciences of the Armenian SSR). (New York) (Translation of *Astrofizika*)
- Atti Accad. Gioenia Sci. Natur. Catania.* Atti della Accademia Gioenia di Scienze Naturali in Catania. (Catania)
- Atti Accad. Ligure Sci. Lett.* Atti della Accademia Ligure di Scienze e Lettere. (Genoa)
- Atti Accad. Naz. Lincei Mem. Cl. Sci. Fis. Mat. Natur. Ser. I.* Atti della Accademia Nazionale dei Lincei. Memorie. Classe di Scienze Fisiche, Matematiche e Naturali. Sezione I^a. (Matematica, Meccanica, Astronomia, Geodesia e Geofisica). (Rome)
- Atti Accad. Naz. Lincei Rend. Cl. Sci. Fis. Mat. Natur.* Atti della Accademia Nazionale dei Lincei. Rendiconti. Classe di Scienze Fisiche, Matematiche e Naturali. (Rome)
- Atti Accad. Sci. Fis. Mat. Napoli.* Atti dell'Accademia delle Scienze Fisiche e Matematiche di Napoli. (Naples)
- Atti Accad. Sci. Ist. Bologna Cl. Sci. Fis. Rend.* Atti della Accademia delle Scienze dell'Istituto di Bologna. Classe di Scienze Fisiche. Rendiconti. (Bologna)
- Atti Accad. Sci. Lett. Arti Palermo Parte I.* Atti della Accademia di Scienze Lettere e Arti di Palermo. Parte Prima: Scienze. (Palermo)
- Atti Accad. Sci. Torino Cl. Sci. Fis. Mat. Natur.* Atti della Accademia delle Scienze di Torino. Classe di Scienze Fisiche, Matematiche e Naturali. (Turin)
- Atti Fond. Giorgio Ronchi Contrib. Ist. Naz. Ottica.* Atti della Fondazione Giorgio Ronchi e Contributi dell'Istituto Nazionale di Ottica. (Florence)
- Atti Sem. Mat. Fis. Univ. Modena.* Atti del Seminario Matematico e Fisico dell'Università di Modena. (Modena)
- Atti Soc. Peloritana Sci. Fis. Mat. Natur.* Atti della Società Peloritana di Scienze Fisiche Matematiche e Naturali. (Messina)
- Austral. Comput. J.* The Australian Computer Society. The Australian Computer Journal. (Chippendale)
- Austral. J. Phys.* Australian Journal of Physics. (Melbourne)
- Austral. J. Sci.* The Australian Journal of Science. (Sydney)
- Austral. J. Statist.* The Australian Journal of Statistics. (Sydney)
- Automat. Remote Control.* Automation and Remote Control. (A translation of *Automatika i Telemekhanika*, a publication of the Academy of Sciences of the USSR). (Pittsburgh, Pa.) (Translation of *Automat. i Telemekh.*)
- Automatica. Internat. J. Automat. Control Automation.* Automation. The International Journal on Automatic Control and Automation. (Oxford) (Continued as: *Automatica—J. IFAC*)
- Automatica—J. IFAC.* Automatica. The Journal of IFAC the International Federation of Automatic Control. (Oxford) (Formerly: *Automatica. Internat. J. Automat. Control Automation*)
- Automat. i Telemekh.* Akademija Nauk Sojuz SSR. Avtomatika i Telemekhanika. (Moscow) (Translated as: *Automat. Remote Control*)
- Avtomat. i Vyčisl. Tehn. Avtomatika i Vyčislitel'naja Tehnika.* (Riga)
- Avtomatika.* Akademija Nauk Ukrain's'koj RSR. Institut Elektrotehniki. Avtomatika. (Kiev)
- Azerbaidžan. Gos. Univ. Učen. Zap. Ser. Fiz.-Mat. Nauk.* Azerbaidžanskij Gosudarstvennyj Universitet im. S. M. Kirova. Učenyje Zapiski. Serija Fiziko-Matematičeskijh Nauk. (Baku)
- Balašov. Gos. Ped. Inst. Učen. Zap.* Balašovskij Gosudarstvennyj Pedagogičeskij Institut. Učenyje Zapiski. (Balašov)
- Baškir. Gos. Univ. Učen. Zap.* Baškirkij Gosudarstvennyj Universitet. Učenyje Zapiski. (Ufa)
- Bayer. Akad. Wiss. Math.-Natur. Kl. Abh.* Bayerische Akademie der Wissenschaften. Mathematisch-Naturwissenschaftliche Klasse. Abhandlungen. (Munich)
- Bayer. Akad. Wiss. Math.-Natur. Kl. S.-B.* Bayerische Akademie der Wissenschaften. Mathematisch-Naturwissenschaftliche Klasse. Sitzungsberichte. (Munich)
- Beijing Daxue Xuebao Ziran Kexue.* See *Acta Sci. Natur. Univ. Pekinensis*.
- Bell System Tech. J.* The Bell System Technical Journal. (New York)
- Biometrics.* Biometrics. Journal of the Biometric Society. (Blackburg, Va.)

ABBREVIATIONS OF NAMES OF JOURNALS

- Biometrika*. *Biometrika*. (London)
- BIT* = *Nordisk Tidsskr. Informationsbehandling (BIT)*.
- Biul. Lubel. Towarz. Nauk. Wydział II Mat. Fiz. Chem.* *Biuletyn Lubelskiego Towarzystwa Naukowego. Wydział II. Matematyka. Fizyka. Chemia.* (Lublin)
- **Biul. Wojsk. Akad. Tech.* *Biuletyn Wojskowej Akademii Technicznej im. Jaroslawa Dabrowskiego.* (Warsaw)
- Bjull. Inst. Teoret. Astronom.* *Akademija Nauk Sojuza Sovetskikh Socialističeskikh Respublik. Bjulleten' Instituta Teoretičeskoj Astronomii.* (Moscow)
- B'lgar. Akad. Nauk. Otd. Mat. Fiz. Nauk. Izv. Fiz. Inst. s Aneb.* *B'lgarska Akademija na Naukite. Otdelenie s Matematičeski i Fizičeski Nauki. Izvestija na Fizičeskija Institut s Aneb.* (Sofia)
- B'lgar. Akad. Nauk. Otd. Mat. Fiz. Nauk. Izv. Mat. Inst. B'lgarska Akademija na Naukite. Otdelenie za Matematičeski i Fizičeski Nauki. Izvestija na Matematičeskija Institut.* (Sofia)
- Boi. Fac. Ingen. Agrimensa. Montevideo.* *Boletín de la Facultad de Ingenieria y Agrimensura de Montevideo.* (Montevideo)
- Boi. Mat.* *Boletín de Matemáticas.* (Bogotá)
- Boi. Soc. Mat. Mexicana.* *Boletín de la Sociedad Matemática Mexicana.* (Mexico City)
- Boi. Soc. Mat. São Paulo.* *Boletim da Sociedade de Matemática de São Paulo.* (São Paulo)
- Boi. Univ. Paraná Inst. Fis.* *Boletim da Universidade do Paraná. Conselho de Pesquisas. Instituto de Física.* (Paraná)
- Boll. Un. Mat. Ital.* *Bollettino della Unione Matematica Italiana.* (Bologna)
- Bonn. Math. Schr.* *Bonner Mathematische Schriften.* (Bonn)
- British J. Hist. Sci.* *British Society for the History of Science. British Journal for the History of Science.* (London)
- British J. Math. Statist. Psychology.* *The British Journal of Mathematical and Statistical Psychology.* (London)
- British J. Philos. Sci.* *The British Journal for the Philosophy of Science.* (Edinburgh)
- Buharsk. Gos. Ped. Inst. Učen. Zap. Ser. Fiz.-Mat. Nauk.* *Buharskij Gosudarstvennyj Pedagogičeskij Institut. Učenyje Zapiski. Serija Fiziko-Matematičeskikh Nauk.* (Bukhara)
- Bul. Akad. Štience RSS Moldoven.* *Akademija Nauk Moldavskoi SSR. Izvestija Akademii Nauk Moldavskoi SSR. Buletinul Akademiei de Științe a RSS Moldovenești.* (Kishinev)
- Bul. Inst. Politehn. Braşov Ser. A Mec.* *Buletinul Institutului Politehnic din Braşov. Seria A. Mecanică.* (Braşov)
- Bul. Inst. Politehn. Bucureşti.* *Buletinul Institutului Politehnic Bucureşti.* (Bucharest)
- Bul. Inst. Politehn. Iaşi.* *Buletinul Institutului Politehnic din Iaşi. Serie Nouă.* (Iaşi)
- Bul. Şti. Inst. Politehn. Cluj.* *Buletinul Ştiinţific al Institutului Politehnic din Cluj.* (Cluj)
- Bul. Şti. Tehn. Inst. Politehn. Timişoara.* *Buletinul Ştiinţific şi Tehnic al Institutului Politehnic Timişoara. Serie Nouă.* (Timişoara)
- Bull. Acad. Polon. Sci. Sér. Sci. Math. Astronom. Phys.* *Bulletin de l'Académie Polonaise des Sciences. Série des Sciences Mathématiques, Astronomiques et Physiques.* (Warsaw)
- Bull. Acad. Polon. Sci. Sér. Sci. Tech.* *Bulletin de l'Académie Polonaise des Sciences. Série des Sciences Techniques.* (Warsaw)
- Bull. Acad. Serbe Sci. Arts Cl. Sci. Math. Natur. Sci. Math.* *Bulletin de l'Académie Serbe des Sciences et des Arts. Classe des Sciences Mathématiques et Naturelles. Sciences Mathématiques.* (Belgrade)
- Bull. Amer. Math. Soc.* *Bulletin of the American Mathematical Society.* (Providence, R.I.)
- Bull. Astronom.* *Bulletin Astronomique.* (Paris) (Continued as: *Astronom. and Astrophys.*)
- Bull. Astronom. Inst. Netherlands.* *Bulletin of the Astronomical Institutes of the Netherlands.* (Haarlem) (Continued as: *Astronom. and Astrophys.*)
- Bull. Austral. Math. Soc.* *Bulletin of the Australian Mathematical Society.* (St. Lucia)
- Bull. Calcutta Math. Soc.* *Bulletin of the Calcutta Mathematical Society.* (Calcutta)
- Bull. College Sci. (Baghdad).* *Bulletin of the College of Science.* (Baghdad)
- Bull. Earthquake Res. Inst. Univ. Tokyo.* *Bulletin of the Earthquake Research Institute, University of Tokyo.* (Tokyo)
- Bull. Fac. Ed. Univ. Kagoshima.* *Bulletin of the Faculty of Education, University of Kagoshima.* (Kagoshima)
- Bull. Fac. Ed. Utsunomiya Univ.* *Bulletin of the Faculty of Education, Utsunomiya University.* (Utsunomiya)
- Bull. Fac. Sci. Ibaraki Univ. Ser. A.* *Bulletin of the Faculty of Science, Ibaraki University. Series A. Mathematics.* (Ibaraki)
- Bull. Fukuoka Univ. Ed. III.* *Bulletin of Fukuoka University of Education. Part III. Natural Sciences.* (Fukuoka)
- Bull. Géodésique.* *Bulletin Géodésique.* (Paris)
- Bull. Inst. Internat. Statist.* *Bulletin de l'Institut International de Statistique.* (The Hague)
- Bull. Inst. Statist. Res. Training.* *Institute of Statistical Research and Training. University of Dacca. The Bulletin of the Institute of Statistical Research and Training.* (Dacca)
- **Bull. Japan Statist. Soc.* *Bulletin of the Japan Statistical Society (Nihon Tōkei Gakkai Kaihō).* (Tokyo)
- Bull. Kyoto Univ. Education Ser. B.* *Bulletin of the Kyoto University of Education. Series B. Mathematics and Natural Science.* (Kyoto)
- Bull. Kyushu Inst. Tech. Math. Natur. Sci.* *Bulletin of the Kyushu Institute of Technology. Mathematics, Natural Science.* (Tobata)
- Bull. London Math. Soc.* *The Bulletin of the London Mathematical Society.* (London)
- Bull. Math. Biophys.* *The Bulletin of Mathematical Biophysics.* (Ann Arbor, Mich.)
- Bull. Math. Soc. Sci. Math. R. S. Roumanie.* *Bulletin Mathématique de la Société des Sciences Mathématiques de la République Socialiste de Roumanie.* (Bucharest)
- Bull. Math. Statist.* *Bulletin of Mathematical Statistics.* (Fukuoka)
- Bull. Nara Univ. Ed. Natur. Sci. Ser. B.* *Bulletin of Nara University of Education. Natural Science. Series B.* (Nara)
- Bull. Sci. Conseil Acad. RSF Yougoslav. Sect. A.* *Bulletin Scientifique. Conseil des Académies de la RSF de Yougoslavie. Section A.* (Zagreb)
- Bull. Sci. Engrg. Res. Lab. Waseda Univ.* *Bulletin of Science and Engineering Research Laboratory. Waseda University.* (Tokyo)
- Bull. Sci. Math.* *Bulletin des Sciences Mathématiques.* (Paris)
- Bull. Signal. Math. Pures Appl.* *Ministère de l'Éducation Nationale. Centre National de la Recherche Scientifique. Bulletin Signalétique. Mathématiques Pures et Appliquées.* (Paris)
- Bull. Soc. Math. Belg.* *Bulletin de la Société Mathématique de Belgique.* (Brussels)
- Bull. Soc. Math. France.* *Bulletin de la Société Mathématique de France.* (Paris)
- Bull. Soc. Math. Grèce.* *Bulletin de la Société Mathématique de Grèce.* (Athens)
- Bull. Soc. Math. Phys. Macédoine.* *Bulletin de la Société des Mathématiciens et des Physiciens de la République Populaire de Macédoine. Bilten na Društvo na Matematičarite i Fizikarite od Socialistička Republika Makedonija.* (Skopje)
- Bull. Soc. Roy. Sci. Liège.* *Bulletin de la Société Royale des Sciences de Liège.* (Liège)
- Bull. Soc. Sci. Lettres Lódz.* *Bulletin de la Société des Sciences et des Lettres de Lódz.* (Lódz)
- Bull. Tokyo Gakugei Univ.* *Bulletin of Tokyo Gakugei University.* (Tokyo)

ABBREVIATIONS OF NAMES OF JOURNALS

- Bull. Univ. Osaka Prefecture Ser. A.* Bulletin of University of Osaka Prefecture. Series A. Engineering and Natural Sciences. (Osaka)
- Bull. Yamagata Univ. Natur. Sci.* Bulletin of the Yamagata University. (Natural Science). (Yamagata)
- C. R. Acad. Bulgare Sci.* Doklady Bolgarskoj Akademii Nauk. Comptes Rendus de l'Académie Bulgare des Sciences. (Sofia)
- C. R. Acad. Sci. Paris Sér. A-B.* Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences. Séries A et B. (Paris)
- Cahiers Centre Études Recherche Opér.* Cahiers du Centre d'Études de Recherche Opérationnelle. (Brussels)
- Cahiers Rhodan.* Cahiers Rhodaniens. (Lyon)
- Cahiers Topologie Géom. Différentielle.* Cahiers de Topologie et Géométrie Différentielle. (Paris)
- Calcolo.* Calcolo. (Rome)
- Calcutta Statist. Assoc. Bull.* Calcutta Statistical Association Bulletin. (Calcutta)
- Canad. J. Math.* Canadian Journal of Mathematics. Journal Canadien de Mathématiques. (Toronto, Ont.)
- Canad. J. Phys.* Canadian Journal of Physics. (Ottawa, Ont.)
- Canad. Math. Bull.* Canadian Mathematical Bulletin. Bulletin Canadien de Mathématiques. (Toronto, Ont.)
- Časopis Pěst. Mat.* Československá Akademie Věd. Časopis pro Pěstování Matematiky. (Prague)
- Čečno-Inguš. Gos. Ped. Inst. Učen. Zap.* Čečno-Ingušskij Gosudarstvennyj Pedagogičeskij Institut. Učenyje Zapiski. (Groznyj)
- Celestial Mech.* Celestial Mechanics. (Dordrecht)
- Čeljabinsk. Gos. Ped. Inst. Trudy.* Čeljabinskij Gosudarstvennyj Pedagogičeskij Institut. Trudy. (Chelyabinsk)
- Centaurus.* Centaurus. (Copenhagen)
- *Chem. Phys. Lett.* Chemical Physics Letters. (Amsterdam)
- Chinese J. Phys. (Peking).* Chinese Journal of Physics (Peking). (A translation of Acta Physica Sinica of the Chinese Academy of Sciences, Peking) (New York) (Translation of Acta Phys. Sinica)
- Chinese Math.—Acta.* Chinese Mathematics. Translation of Acta Mathematica Sinica. (Providence, R.I.) (Translation of Acta Math. Sinica)
- Cho-sŏn In-min Kong-hwa-kuk Kwa-hak-wŏn T'ong-p'o.* (Academy of Science of the People's Republic of Korea. Bulletin) Cho-sŏn Min-ju-ju-ŭi In-min Kong-hwa-kuk Kwa-hak-wŏn. T'ong-p'o. (Pyongyang)
- Čitin. Gos. Ped. Inst. Učen. Zap.* Čitinskij Gosudarstvennyj Pedagogičeskij Institut. Učenyje Zapiski. (Chita)
- Collect. Math.* Consejo Superior de Investigaciones Científicas. Universidad de Barcelona. Collectanea Mathematica. Seminario Matemático de Barcelona. (Barcelona)
- Colloq. Math.* Colloquium Mathematicum. (Warsaw)
- Comm. ACM.* Communications of the Association for Computing Machinery. (New York)
- Comm. Dublin Inst. Adv. Studies Ser. A.* Communications of the Dublin Institute for Advanced Studies. Series A. (Dublin)
- Comm. Fac. Sci. Univ. Ankara Sér. A.* Communications de la Faculté des Sciences de l'Université d'Ankara. Série A. Mathématiques-Physique-Astronomie. (Ankara)
- Comm. Math. Phys.* Communications in Mathematical Physics. (Berlin)
- Comm. Pure Appl. Math.* Communications on Pure and Applied Mathematics. (New York)
- Comment. Math. Helv.* Commentarii Mathematici Helvetici. (Zürich)
- Comment. Math. Univ. Carolinae.* Commentationes Mathematicae Universitatis Carolinae. (Prague)
- Comment. Math. Univ. St. Paul.* Commentarii Mathematici Universitatis Sancti Pauli. Rikkyō Daigaku Sōgaku Zasshi. (Tokyo)
- Compositio Math.* Compositio Mathematica. (Groningen)
- Comput. and Control Abstracts.* Computer and Control Abstracts. (New York)
- Comput. J.* The Computer Journal. (London)
- Comput. Rev.* Computing Reviews. (New York) (Usually abbreviated CR in the text of Math. Reviews)
- Comput. Surveys.* Computing Surveys. ACM. (New York)
- Computing (Arch. Elektron. Rechnen).* Computing. Archiv für elektronisches Rechnen. Archives for Electronic Computing. (Vienna)
- Confer. Sem. Mat. Univ. Bari.* Conferenze del Seminario di Matematica dell'Università di Bari. (Bari)
- Contents Contemporary Math. J.* Contents of Contemporary Mathematical Journals. (Providence, R.I.)
- CORS J.* CORS J. The Canadian Operational Research Society Journal. (Toronto, Ont.)
- CR.* Computing Reviews. (New York)
- Čuvaš. Gos. Ped. Inst. Učen. Zap.* Ministerstvo Prosvešćenija RSFSR. Čuvašskij Gosudarstvennyj Pedagogičeskij Institut im. I. Ja. Jakovleva. Učenyje Zapiski. (Cheboksary) (May also appear as: Čuvaš. Gos. Univ. i Čuvaš. Gos. Ped. Inst. Učen. Zap.)
- Čuvaš. Gos. Univ. i Čuvaš. Gos. Ped. Inst. Učen. Zap.* Čuvašskij Gosudarstvennyj Universitet imeni I. N. Ul'janova. Čuvašskij Gosudarstvennyj Pedagogičeskij Institut imeni I. Ja. Jakovleva. Učenyje Zapiski. (Cheboksary) (May also appear as: Čuvaš. Gos. Ped. Inst. Učen. Zap.)
- Cybernetics.* Cybernetics. (New York) (A translation of Kibernetika (Kiev))
- Czasopis. Techn.* Politechnika Krakowska i Krakowskie Zjednoczenie Budownictwa. Czasopismo Techniczne. (Kraków)
- Czechoslovak J. Phys. Sect. B.* Československá Akademie Nauk. Československij Fizičeskij Žurnal. Czechoslovak Academy of Sciences. Czechoslovak Journal of Physics. Section B. (Prague)
- Czechoslovak Math. J.* Československá Akademie Nauk. Československij Matematikaeskij Žurnal. Czechoslovak Mathematical Journal. (Prague)
- *Dagestan. Gos. Univ. Učen. Zap.* Dagestanskij Gosudarstvennyj Universitet imeni V. I. Lenina. Učenyje Zapiski. (Makhachkala)
- Dal'nevostoč. Gos. Univ. Učen. Zap.* Dal'nevostočnyj Gosudarstvennyj Universitet. Učenyje Zapiski (Seriya fiziko-matematičeskijh Nauk). (Vladivostok)
- Danske Vid. Selsk. Mat.-Fys. Medd.* Det Kongelige Danske Videnskabsnævn. Danske Videnskabsnævn. Matematisk-fysiske Meddelelser. (Copenhagen)
- Defence Sci. J.* Defence Science Journal. (Delhi)
- Delta (Waukesha).* Delta. Waukesha Mathematics Society. (Waukesha, Wis.)
- Demonstratio Math.* Demonstratio Mathematica. (Warsaw) (Formerly: Zeszyty Nauk. Politech. Warszawsk. Mat.)
- Deutsch. Akad. Naturforsch. Nova Acta Leopoldina N.F.* Abhandlungen der Deutschen Akademie der Naturforscher Leopoldina. Nova Acta Leopoldina. (Leipzig) (Continued as: Nova Acta Leopoldina (N.F.))
- Differencial'nye Uravneniya.* Differencial'nye Uravneniya. (Minsk) (Translated as: Differential Equations)
- Differential Equations.* Differential Equations. (New York) (Translation of Differencial'nye Uravneniya)
- Discret. Analiz.* Akademija Nauk SSSR. Sibirskoe Otdelenie. Institut Matematiki. Diskretnyj Analiz. Sbornik Trudov. (Novosibirsk)
- Dissertationes Math. Rozprawy Mat.* Polskiej Akademii Nauk. Instytut Matematyczny. Dissertationes Mathematicae. Rozprawy Matematyczne. (Warsaw)
- Dokl. Akad. Nauk BSSR.* Doklady Akademii Nauk BSSR. (Minsk)
- Dokl. Akad. Nauk SSSR.* Doklady Akademii Nauk SSSR. (Moscow) (Mathematics section translated as: Soviet Math. Dokl.; Physics section translated as: Soviet Physics Dokl.)

ABBREVIATIONS OF NAMES OF JOURNALS

- Dokl. Akad. Nauk Tadšk. SSR.* Doklady Akademii Nauk Tadškikol SSR. (Dushanbe)
- Dokl. Akad. Nauk UzSSR.* Doklady Akademii Nauk UzSSR. (Tashkent)
- Dopovidl Akad. Nauk Ukrain. RSR Ser. A.* Dopovidl Akademii Nauk Ukrain'ko! RSR. Serija A. (Kiev)
- Dopovidl Akad. Nauk Ukrain. RSR Ser. B.* Dopovidl Akademii Nauk Ukrain'ko! RSR. Serija B. (Kiev)
- Duke Math. J.* Duke Mathematical Journal. (Durham, N.C.)
- Dušanbin. Gos. Ped. Inst. Učen. Zap.* Dušanbinskii Gosudarstvennyi Pedagogičeskii Institut im. T. G. Ševčenko. Učenyje Zapiski. (Dushanbe)
- Econom. Comput. Econom. Cybernet. Stud. Res.* Economic Computation and Economic Cybernetics Studies and Research. (Bucharest)
- Econometrica.* Econometrica. Journal of the Econometric Society. (Chicago, Ill.)
- EEA.* Science Abstracts. Electrical & Electronics Abstracts. (London)
- Eesti NSV Tead. Akad. Füüs. Astronoom. Inst. Uurim.* Eesti NSV Teaduste Akadeemia Füüsika ja Astronoomia Instituudi Uurimused. (Trudy Instituta Fiziki i Astronomii Akademii Nauk Estonskoi SSR). Publikacii Tartusko! Astronomičeskoi Observatorii. (Tartu)
- Eesti NSV Tead. Akad. Tartu Astronoom. Observ. Publ.* Eesti NSV Teaduste Akadeemia Tartu Astronoomia Observatooriumi Publikatsioonid. (Tartu)
- Eesti NSV Tead. Akad. Toimetised Füüs.-Mat.* Eesti NSV Teaduste Akadeemia Toimetised. Füüsika-Matemaatika. Izvestija Akademii Nauk Estonskoi SSR. Serija Fizika-Matematika. (Tallin)
- Ėkonom. i Mat. Metody.* Ėkonomika i Matematičeskie Metody. (Moscow)
- Ėkonom.-Mat. Obzor.* Československá Akademie Véd. Ekonomicko-Matematický Obzor. (Prague)
- *Elabuf. Gos. Ped. Inst. Učen. Zap.* Elabuzskii Gosudarstvennyi Pedagogičeskii Institut. Učenyje Zapiski. (Kazan)
- Electrical & Electronics Abstracts.* Science Abstracts. Electrical & Electronics Abstracts. (London) (Usually abbreviated EEA in the text of *Math. Reviews*)
- Electron. Commun. Japan.* Institute of Electrical and Electronics Engineers. Electronics and Communications in Japan. (A translation of *Denki Tsushin Gakkai Zasshi* of the Institute of Electrical Communication Engineers of Japan.) (New York) (Translation of *Denki Tsushin Gakkai Zasshi*)
- Elektron. Informationsverarbeitung. Kybernetik.* Sektion für Kybernetik beim Präsidium der Deutschen Akademie der Wissenschaften zu Berlin und der Mathematischen Gesellschaft der Deutschen Demokratischen Republik. Elektronische Informationsverarbeitung und Kybernetik. (Berlin)
- Elem. Math.* Elemente der Mathematik. Revue de Mathématiques Élémentaires. Rivista de Matematica Elementare. (Basel)
- Engrg. Cybernetics.* Engineering Cybernetics. English Edition of *Tehničeskaja Kibernetika*. (New York) (Translation of *Izv. Akad. Nauk SSSR Tehn. Kibernet.*)
- Enseignement Math.* L'Enseignement Mathématique. (Geneva)
- Estadist. Española.* Estadística Española. (Madrid)
- Estadística.* Estadística. (Washington, D.C.)
- Euclides (Groningen).* Euclides. Maandblad voor de Didactiek van de Wiskunde. (Groningen)
- Fac. Ingen. Agrimens. Montevideo Publ. Didact. Inst. Mat. Estadist.* Facultad de Ingeniería y Agrimensura. Montevideo. Publicaciones Didácticas del Instituto de Matemática y Estadística. (Montevideo)
- Fac. Sci. Univ. Skopje Annuaire.* Faculté des Sciences de l'Université de Skopje. Annuaire. (Skopje)
- *Fasc. Math. Politechnika Poznańska.* Zeszyty Matematyczne. Fasciculi Mathematici. (Poznań)
- Fergan. Gos. Ped. Inst. Učen. Zap.* Ministerstvo Vysshego i Srednego Special'nogo Obrazovaniya Uzbekskoi SSR. Ferganskii Gosudarstvennyi Pedagogičeskii Institut imeni Ulugbeka. Učenyje Zapiski. Serija Matematičeskaja. (Fergana)
- Fibonacci Quart.* The Fibonacci Quarterly. Official Organ of the Fibonacci Association. A journal devoted to the study of integers with special properties. (St. Mary's College, Calif.)
- Fiz.-Mat. Spis. B'lgar. Akad. Nauk.* B'lgarska Akademija na Naukite Fizičeski Institut. Matematičeski Institut. Fiziko-Matematičesko Spisanie. (Sofia)
- FOA Rep.* FOA Reports. Försvarets Forskningsanstalt (Research Institute of National Defence). (Stockholm)
- Formosan Sci.* Formosan Science. (Taipei)
- Fortschr. Physik.* Fortschritte der Physik. (Berlin)
- Found. Language.* International Journal of Language and Philosophy. Foundations of Language. (Dordrecht)
- Functional Anal. Appl.* Functional Analysis and its Applications. (A translation of *Funkcional. Anal. i Priložen.*) (New York)
- Fund. Math.* Polska Akademia Nauk. Fundamenta Mathematicae. (Warsaw)
- Funkcial. Ekvac.* Fako de l'Funkcialaj Ekvacioj Japana Matematika Societo. Funkcialaj Ekvacioj. (Serio Internacia). (Kobe)
- Funkcional. Anal. i Priložen.* Akademija Nauk SSSR. Funkcional'nyi Analiz i ego Priloženija. (Moscow) (Translated as: *Functional Anal. Appl.*)
- Fyz. Časopis Sloven. Akad. Vied.* Fyzikálny Časopis Slovenskej Akadémie Vied. (Bratislava)
- Gac. Mat. (Madrid).* Gaceta Matemática. (Madrid)
- *Gamoqeneb. Math. Inst. Sem. Mohsen. Anotacie.* Tbilisis Universiteti. Gamoqenebithi Matematikis Institutis Seminari. Mohsenebatha Anotaciebi. (Tbilisi) (Also listed as: *Sem. Inst. Prikl. Mat. Annotac. Doklady*)
- Gapita.* Gapita (Mathematics). Bharat Gapita Parishad (Benares Mathematical Society). (Lucknow)
- Gaz. Mat. (Lisboa).* Gazeta de Matemática. (Lisbon)
- Gaz. Mat. Ser. A.* Societatea de Științe Matematice din R. P. R. Gazeta Matematică. Publicație Pentru Studiul și Răspindirea Științelor Matematice. Seria A. (Bucharest)
- Geodæt. Inst. Medd.* Geodætisk Institut. Meddelelser. (Copenhagen)
- Gidraeromeh. i Teor. Uprugosti.* Gidraeromehanika i Teoriya Uprugosti. (Kharkov)
- Giorn. Ist. Ital. Attuari.* Giornale dell'Istituto Italiano degli Attuari. (Rome)
- Giorn. Mat. Battaglini.* Giornale di Matematiche di Battaglini. (Naples)
- Glasgow Math. J.* Glasgow Mathematical Journal. (Glasgow)
- Glasnik Mat. Ser. III.* Društvo Matematicara i Fizičara S. R. Hrvatske. Glasnik Matematički. Serija III. (Zagreb)
- *Godišnik Inž.-Stroitel. Inst.* Godišnik na Inžerno-Stroitelnija Institut. (Sofia)
- *Godišnik Visš. Himikotehn. Inst. (Burgas).* Godišnik Visšija Himikotehnoloģieski Institut. Burgas. (Sofia)
- Godišnik Visš. Tehn. Učebn. Zaved. Fiz.* Godišnik na Visšite Tehničeski Učebni Zavedenija. Fizika. (Sofia)
- Godišnik Visš. Tehn. Učebn. Zaved. Mat.* Godišnik na Visšite Tehničeski Učebni Zavedenija. Matematika. (Sofia)
- Godišnik Visš. Tehn. Učebn. Zaved. Priložna Meh.* Godišnik na Visšite Tehničeski Učebni Zavednija. Priložna Mehanika. (Sofia)
- *Godišnjak Filozof. Fak. u Novom Sadu.* Godišnjak Filozofskog Fakulteta u Novom Sadu. (Novi Sad)
- Gor'kov. Gos. Univ. Učen. Zap.* Gor'kovskii Gosudarstvennyi Universitet. Učenyje Zapiski. (Gorki)
- Gruzin. Politehn. Inst. Trudy.* Gruzinskii Politehniceskii Institut im. V. I. Lenina. Trudy. (Tbilisi) See *V. I. Lenin. Sakharth. Politieb. Inst. Šrom.*
- Helv. Phys. Acta.* Helvetica Physica Acta. Societatis Physicarum Helveticae Commentaria Publica. (Basel)
- Hist. of Sci.* History of Science. An Annual Review of Literature, Research, and Teaching. (Cambridge, England)

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ABBREVIATIONS OF NAMES OF JOURNALS

- Hitotsubashi J. Arts Sci.* Hitotsubashi Journal of Arts & Sciences, Hitotsubashi University. (Tokyo)
- IBM J. Res. Develop.* IBM Journal of Research and Development. (New York)
- IBM Systems J.* International Business Machines Corporation. IBM Systems Journal. (Armonk, N.Y.)
- Icarus.* Icarus. International Journal of the Solar System. (New York)
- IEEE Trans. Aerospace and Electron. Systems.* IEEE Transactions on Aerospace and Electronic Systems. (New York)
- IEEE Trans. Antennas and Propagation.* IEEE Transactions on Antennas and Propagation. (New York)
- IEEE Trans. Automatic Control.* IEEE Transactions on Automatic Control. (New York)
- IEEE Trans. Circuit Theory.* IEEE Transactions on Circuit Theory. (New York)
- IEEE Trans. Computers.* IEEE Transactions on Computers. (New York)
- IEEE Trans. Geosci. Electronics.* IEEE Transactions on Geoscience Electronics. (New York)
- IEEE Trans. Information Theory.* IEEE Transactions on Information Theory. (New York)
- Illinois J. Math.* Illinois Journal of Mathematics. (Urbana, Ill.)
- Indag. Math.* Indagationes Mathematicae. See *Nederl. Akad. Wetensch. Indag. Math.*
- *Indian J. Engng. Math.* Indian Journal of Engineering Mathematics. (Agra)
- Indian J. History Sci.* Indian Journal of History of Science. National Institute of Sciences of India. (New Delhi)
- Indian J. Math.* Indian Journal of Mathematics. (Allahabad)
- Indian J. Mech. Math.* Indian Journal of Mechanics and Mathematics. (Calcutta)
- *Indian J. Pure Appl. Math.* Indian Journal of Pure and Applied Mathematics. (New Delhi)
- *Indiana Univ. Math. J.* Indiana University Mathematics Journal. (Bloomington, Ind.) (Formerly: *J. Math. Mech.*)
- Indust. Math.* Industrial Mathematics. (Detroit, Mich.)
- *Informac.-Elektron.* Információ-Elektronika. A Központi Statisztikai Hivatal Folyóirata. (Budapest)
- Information and Control.* Information and Control. (New York)
- Information Processing in Japan.* Information Processing in Japan. (Tokyo)
- Information Sci.* Information Sciences. An International Journal. (New York)
- Inst. Gulbenkian Ci. Centro Calc. Ci. Estud. Program. Anal. Numer.* Fundação Calouste Gulbenkian. Instituto Gulbenkian de Ciência. Centro de Cálculo Científico. Estudos de Programação e Análise Numérica. (Lisbon)
- Inst. Hautes Études Sci. Publ. Math.* Institut des Hautes Études Scientifiques. Publications Mathématiques. (Paris)
- Internat. J. Comput. Math.* International Journal of Computer Mathematics. (New York)
- Internat. J. Control.* International Journal of Control. (London)
- Internat. J. Engng. Sci.* International Journal of Engineering Science. (Oxford-New York)
- Internat. J. Non-Linear Mech.* International Journal of Non-Linear Mechanics. (New York)
- Internat. J. Theoret. Phys.* International Journal of Theoretical Physics. (London)
- Invent. Math.* Inventiones Mathematicae. (Berlin)
- Inf.-Stroitel. Inst. Kulbyšev. Sb. Trudov.* Moskovskii Ordena Trudovogo Krasnogo Znaniia Inženerno-Stroitel'nyi Institut im. V. V. Kulbyševa. Sbornik Trudov. (Moscow)
- Isis.* Isis. An International Review Devoted to the History of Science and Civilization. (Cambridge, Mass.)
- Israel J. Math.* Israel Journal of Mathematics. (Jerusalem)
- Ist. Lombardo Accad. Sci. Lett. Rend. A.* Istituto Lombardo. Accademia di Scienze e Lettere. Rendiconti. Scienze Matematiche, Fisiche, Chimiche e Geologiche. A. (Milan)
- Ist. Veneto Sci. Lett. Arti Atti Cl. Sci. Mat. Natur.* Istituto Veneto de Scienze, Lettere ed Arti. Venezia. Atti. Classe de Scienze Matematiche e Naturali. (Venice)
- Istanbul Tek. Univ. Bul.* İstanbul Teknik Üniversitesi Bülteni. Bulletin of the Technical University of Istanbul. (Istanbul)
- Istanbul Univ. Fen Fak. Mec. Ser. A.* İstanbul Üniversitesi Fen Fakültesi Mecmuası. A Serisi: Sırfıve Tatbiki Matematik. Revue de la Faculté des Sciences de l'Université d'Istanbul. Série A: Mathématiques Pures et Appliquées. (Istanbul)
- Istor.-Astronom. Issled.* Istoriko-Astronomičeskie Issledovanija. (Moscow)
- Istor.-Mat. Issled.* Istoriko-Matematičeskie Issledovanija. (Moscow-Leningrad)
- Ivanov. Gos. Ped. Inst. Učen. Zap.* Ministerstvo Prosveščeniia RSFSR. Ivanovskii Gosudarstvennyi Pedagogičeskii Institut im. D. A. Furmanova. Ivanovskoe Matematičeskoe Obščestvo. Učenyje Zapiski. (Ivanovo)
- Izv. Acad. Sci. USSR Atmospher. Ocean. Phys.* Izvestiya Academy of Sciences USSR. Atmospheric and Oceanic Physics. (Washington, D.C.) (Translation of *Izv. Akad. Nauk SSSR Ser. Fiz. Atmosf. i Okeana*)
- Izv. Acad. Sci. USSR Phys. Solid Earth.* Izvestiya Academy of Sciences USSR. Physics of the Solid Earth. (Washington, D.C.) (Translation of *Izv. Akad. Nauk SSSR Ser. Fiz. Zemli*)
- Izv. Akad. Nauk Armjan. SSR Ser. Fiz.* Izvestija Akademii Nauk Armjanakol SSR. Serija Fizika. (Erevan)
- Izv. Akad. Nauk Armjan. SSR Ser. Mat.* Izvestija Akademii Nauk Armjanakol SSR. Serija Matematika. (Erevan)
- Izv. Akad. Nauk Armjan. SSR Ser. Meh.* Izvestija Akademii Nauk Armjanakol SSR. Serija Mehanika. (Erevan)
- Izv. Akad. Nauk Azerbaidžan. SSR Ser. Fiz.-Tehn. Mat. Nauk.* Izvestija Akademii Nauk Azerbaidžanskol SSR. Serija Fiziko-Tehničeskii i Matematičeskii Nauk. (Baku)
- Izv. Akad. Nauk Kazah. SSR Ser. Fiz.-Mat.* Izvestija Akademii Nauk Kazahakol SSR. Serija Fiziko-Matematičeskaja. (Alma-Ata) (Formerly: *Izv. Akad. Nauk Kazah. SSR Ser. Fiz.-Mat. Nauk*)
- Izv. Akad. Nauk Kazah. SSR Ser. Fiz.-Mat. Nauk.* Izvestija Akademii Nauk Kazahakol SSR. Serija Fiziko-Matematičeskaja Nauk. (Alma-Ata) (Continued as: *Izv. Akad. Nauk Kazah. SSR Ser. Fiz.-Mat.*)
- Izv. Akad. Nauk Kirgiz. SSR.* Izvestija Akademii Nauk Kirgizakol SSR. (Frunze)
- Izv. Akad. Nauk Moldav. SSR = Bul. Akad. Științe RSS Moldoven.*
- Izv. Akad. Nauk SSSR Ser. Fiz. Atmosf. i Okeana.* Izvestija Akademii Nauk SSSR. Serija Fizika Atmosfery i Okeana. (Moscow) (Translated as: *Izv. Acad. Sci. USSR Atmospher. Ocean. Phys.*)
- Izv. Akad. Nauk SSSR Ser. Fiz. Zemli.* Izvestija Akademii Nauk SSSR Serija Fizika Zemli. (Moscow) (Translated as: *Izv. Acad. Sci. USSR Phys. Solid Earth*)
- Izv. Akad. Nauk SSSR Ser. Mat.* Izvestija Akademii Nauk SSSR. Serija Matematičeskaja. (Moscow) (Translated as: *Math. USSR. Izv.*)
- Izv. Akad. Nauk SSSR Ser. Meh. Židk. Gaza.* Akademija Nauk SSSR. Izvestija Akademii Nauk SSSR. Serija Mehanika Židkosti i Gaza. (Moscow)
- Izv. Akad. Nauk SSSR Tehn. Kibernet.* Izvestija Akademii Nauk SSSR. Tehničeskaja Kibernetika. (Moscow) (Translated as: *Engng. Cybernetics*)
- Izv. Akad. Nauk Tadžik. SSR Otdel. Fiz.-Mat. i Geolog.-Him. Nauk.* Izvestija Akademii Nauk Tadžikakol SSR. Otdelenie Fiziko-Matematičeskii i Geologo-Himičeskii Nauk. (Dushanbe) (Formerly: *Izv. Akad. Nauk Tadžik. SSR Otdel. Fiz.-Tehn. i Him. Nauk*)

ABBREVIATIONS OF NAMES OF JOURNALS

- Izv. Akad. Nauk Tadzhik. SSR Otdel. Fiz.-Tehn. i Him. Nauk.* Izvestija Akademii Nauk Tadzhikskoi SSR. Otdelenie Fiziko-Tekhnicheskikh i Himicheskikh Nauk. (Dushanbe) (Continued as: *Izv. Akad. Nauk Tadzhik. SSR Otdel. Fiz.-Mat. i Geolog.-Him. Nauk*)
- Izv. Akad. Nauk Turkmen. SSR Ser. Fiz.-Tehn. Him. Geol. Nauk.* Izvestija Akademii Nauk Turkmenaskoi SSR. Seriya Fiziko-Tekhnicheskikh, Himicheskikh i Geologicheskikh Nauk. (Ashkhabad)
- Izv. Akad. Nauk UzSSR Ser. Fiz.-Mat. Nauk.* Izvestija Akademii Nauk UzSSR. Seriya Fiziko-Matematicheskikh Nauk. UzSSR Fanlar Akademijasining Ahboroti. Fizika-Matematika Fanlari Serijasi. (Tashkent)
- Izv. Kazan. Fil. Akad. Nauk SSSR Ser. Fiz.-Mat. i Tehn. Nauk.* Izvestija Kazanskogo Filiala Akademii Nauk SSSR. Seriya Fiziko-Matematicheskikh i Tekhnicheskikh Nauk. (Kazan)
- Izv. Krymsk. Ped. Inst.* Izvestija Krymskogo Pedagogicheskogo Instituta im. M. V. Frunze. (Simferopol)
- Izv. Sibirek. Otdel. Akad. Nauk SSSR.* Izvestija Sibirskogo Otdeleniya Akademii Nauk SSSR. (Novosibirsk)
- Izv. Vuzov = Izv. Vysš. Učebn. Zaved. Matematika.*
- Izv. Vysš. Učebn. Zaved. Aviacion. Tehn. Ministerstvo Vysšego i Srednego Special'nogo Obrazovaniya SSSR.* Izvestija Vysšikh Učebnykh Zavedenii. Aviacionnaya Tekhnika. (Kazan)
- Izv. Vysš. Učebn. Zaved. Elektromekhanika.* Ministerstvo Vysšego i Srednego Special'nogo Obrazovaniya SSSR. Izvestija Vysšikh Učebnykh Zavedenii. Elektromekhanika. (Novocherkassk)
- Izv. Vysš. Učebn. Zaved. Fizika.* Ministerstvo Vysšego i Srednego Special'nogo Obrazovaniya SSSR. Izvestija Vysšikh Učebnykh Zavedenii. Fizika. (Tomsk) (Translated as: *Soviet Physics J.*)
- Izv. Vysš. Učebn. Zaved. Matematika.* Ministerstvo Vysšego Obrazovaniya SSSR. Izvestija Vysšikh Učebnykh Zavedenii. Matematika. (Kazan)
- Izv. Vysš. Učebn. Zaved. Radiofizika.* Ministerstvo Vysšego i Srednego Special'nogo Obrazovaniya SSSR. Izvestija Vysšikh Učebnykh Zavedenii. Radiofizika. (Gorki) (Translated as: *Radiophys. and Quantum Electronics*)
- J. Algebra.* Journal of Algebra. (New York)
- J. Amer. Statist. Assoc.* Journal of the American Statistical Association. (Washington, D.C.)
- J. Analyse Math.* Journal d'Analyse Mathématique. (Jerusalem)
- J. Annamalai Univ. Part B Sci.* Journal of the Annamalai University. Part B. Sciences. (Annamalainagar)
- J. Appl. Math. Mech.* Journal of Applied Mathematics and Mechanics. (Translation of the Soviet journal *Prikladnaya Matematika i Mekhanika*). (New York) (Translation of *Prikl. Mat. Meh.*)
- J. Appl. Mech. Tech. Phys.* Journal of Applied Mechanics and Technical Physics. (Translation of *Z. Prikl. Meh. i Tehn. Fiz.*) (New York)
- J. Appl. Probability.* Journal of Applied Probability. (East Lansing, Mich.)
- J. Approximation Theory.* Journal of Approximation Theory. (New York)
- J. Assoc. Comput. Mach.* Journal of the Association for Computing Machinery. (New York)
- J. Astronaut. Sci.* American Astronautical Society. Journal of the Astronautical Sciences. (Baltimore, Md.)
- J. Atmospheric Sci.* Journal of the Atmospheric Sciences. (Boston, Mass.)
- J. Austral. Math. Soc.* The Journal of the Australian Mathematical Society. (Sydney)
- J. Birla Inst. Tech. and Sci. (Pilani).* Journal of the Birla Institute of Technology and Sciences. (Pilani)
- J. Chem. Phys.* The Journal of Chemical Physics. (New York)
- J. China Univ. Sci. Techn.* Journal of the China University of Science and Technology. Zhongguo Kexue Jiahu Daxue Xuebao. (Peking)
- J. College Arts Sci. Chiba Univ.* Journal of the College of Arts and Sciences, Chiba University. (Chiba)
- J. Combinatorial Theory.* Journal of Combinatorial Theory. (New York)
- J. Comput. System Sci.* Journal of Computer and System Sciences. (New York)
- J. Computational Phys.* Journal of Computational Physics. (New York)
- J. Cuneiform Studies.* Journal of Cuneiform Studies. (New Haven, Conn.)
- J. Differential Equations.* Journal of Differential Equations. (New York)
- J. Differential Geometry.* Journal of Differential Geometry. (Bethlehem, Pa.)
- J. Engrg. Math.* Journal of Engineering Mathematics. (Groningen)
- J. Fac. Engrg. Chiba Univ.* Journal of the Faculty of Engineering, Chiba University. (Chiba)
- J. Fac. Engrg. Univ. Tokyo Ser. B.* Journal of the Faculty of Engineering, University of Tokyo. Series B. (Tokyo)
- J. Fac. Sci. Hokkaido Univ. Ser. I.* Journal of the Faculty of Science, Hokkaido University. Series I. Mathematics. (Sapporo)
- J. Fac. Sci. Shinshu Univ.* Journal of the Faculty of Science, Shinshu University. (Matsumoto)
- J. Fac. Sci. Univ. Tokyo Sect. I.* Journal of the Faculty of Science, University of Tokyo. Section I. Mathematics, Astronomy, Physics, Chemistry. (Tokyo)
- J. Fluid Mech.* Journal of Fluid Mechanics. (London)
- J. Franklin Inst.* Journal of the Franklin Institute. (Philadelphia, Pa.)
- J. Functional Analysis.* Journal of Functional Analysis. (New York)
- J. Gakugei Tokushima Univ.* Journal of Gakugei, Tokushima University. (Tokushima) (Continued as: *J. Math. Tokushima Univ.*)
- J. Indian Math. Soc.* The Journal of the Indian Mathematical Society. (Madras)
- J. Indian Statist. Assoc.* Journal of the Indian Statistical Association. (Bombay)
- J. Inst. Math. Appl.* Journal of the Institute of Mathematics and its Applications. (New York)
- *J. Japan Assoc. Automat. Control Engrs.* Journal of the Japan Association of Automatic Control Engineers. (Kyoto)
- J. Karnatak Univ. Sci.* Journal of the Karnatak University. Science. (Dharwar)
- J. London Math. Soc.* The Journal of the London Mathematical Society. (London)
- J. Madras Univ. B.* Journal of the Madras University. B. Contributions in Mathematics, Physical and Biological Sciences. (Madras)
- J. Math. Anal. Appl.* Journal of Mathematical Analysis and Applications. (New York)
- J. Math. and Phys.* Journal of Mathematics and Physics. (Cambridge, Mass.) (Continued as: *Studies in Appl. Math.*)
- J. Math. (Jabalpur).* Journal of Mathematics. (Jabalpur)
- J. Math. Kyoto Univ.* Journal of Mathematics of Kyoto University. (Kyoto)
- J. Math. Mech.* Journal of Mathematics and Mechanics. (Bloomington, Ind.) (Continued as: *Indiana Univ. Math. J.*)
- J. Math. Pures Appl.* Journal de Mathématiques Pures et Appliquées. (Paris)
- J. Math. Sci.* Journal of Mathematical Sciences. The Society of Mathematical Sciences. (Delhi)
- J. Math. Soc. Japan.* Journal of the Mathematical Society of Japan. (Tokyo)
- J. Math. Tokushima Univ.* Journal of Mathematics, Tokushima University. (Tokushima) (Formerly: *J. Gakugei Tokushima Univ.*)
- J. Mathematical and Physical Sci.* Journal of Mathematical and Physical Sciences. (Madras)

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ABBREVIATIONS OF NAMES OF JOURNALS

- J. Mathematical Phys.* Journal of Mathematical Physics. (New York)
- J. Mathematical Psychology.* Journal of Mathematical Psychology. (New York)
- J. Mécanique.* Journal de Mécanique. (Paris)
- J. Mech. Phys. Solids.* Journal of the Mechanics and Physics of Solids. (London)
- J. Nanyang Univ.* Journal of Nanyang University. (Singapore)
- J. Natur. Sci. and Math.* The Journal of Natural Sciences and Mathematics. (Lahore)
- J. Number Theory.* Journal of Number Theory. (New York)
- J. of M.A.C.T.* Journal of the Maulana Azad College of Technology. (Bhopal)
- J. Operations Res. Soc. Japan.* Journal of the Operations Research Society of Japan. (Tokyo)
- J. Opt. Soc. Amer.* Journal of the Optical Society of America. (New York)
- J. Optimization Theory Appl.* Journal of Optimization Theory and Applications. (New York)
- J. Phys. Soc. Japan.* Journal of the Physical Society of Japan. (Tokyo)
- J. Reine Angew. Math.* Journal für die reine und angewandte Mathematik. (Berlin)
- J. Res. Nat. Bur. Standards Sect. B.* Journal of Research of the National Bureau of Standards. Section B. Mathematics and Mathematical Physics. (Washington, D.C.)
- J. Roy. Statist. Soc. Ser. A.* Journal of the Royal Statistical Society. Series A (General). (London)
- J. Roy. Statist. Soc. Ser. B.* Journal of the Royal Statistical Society. Series B (Methodological). (London)
- J. Roy. Statist. Soc. Ser. C Appl. Statist.* Journal of the Royal Statistical Society. Series C. Applied Statistics. (London) (Formerly: *Appl. Statist.*)
- J. Sci. Engrg. Res.* Journal of Science and Engineering Research. (Kharagpur)
- J. Sci. Hiroshima Univ. Ser. A-I Math.* Journal of Science of the Hiroshima University. Series A-I (Mathematics). (Hiroshima)
- J. Sci. Res. Banaras Hindu Univ.* The Journal of Scientific Research of the Banaras Hindu University. (Banaras)
- J. Statist. Phys.* Journal of Statistical Physics. (New York)
- J. Symbolic Logic.* The Journal of Symbolic Logic. (Providence, R.I.)
- *J. Tech. Bengal Engrg. College.* Journal of Technology. Bengal Engineering College. (Howrah)
- J. Theoret. Biol.* Journal of Theoretical Biology. (London)
- J. Tsing Hua Univ.* Journal of Tsing Hua University. (Peking)
- J. Univ. Bombay.* Journal of the University of Bombay. (Bombay)
- Jadernaja Fiz. Akademija Nauk SSSR.* Jadernaja Fizika. (Moscow) (Translated as: *Soviet J. Nuclear Phys.*)
- Janus.* Janus. Revue Internationale de l'Histoire des Sciences, de la Médecine, de la Pharmacie et de la Technique. (Leiden)
- Japan. J. Math.* Science Council of Japan. Japanese Journal of Mathematics. (Tokyo)
- Jaroslav. Gos. Ped. Inst. Dokl. Naučn. Konfer.* Jaroslavlskij Gosudarstvennyj Pedagogičeskij Institut. Doklady na Naučnyh Konferencijah. (Jaroslavl)
- Jber. Deutsch. Math.-Verein.* Jahresbericht der Deutschen Mathematiker-Vereinigung. (Stuttgart)
- Kabardino-Balkarsk. Gos. Univ. Učen. Zap.* Kabardino-Balkarskij Gosudarstvennyj Universitet. Učenyj Zapiski. (Kabardino-Balkarsk)
- Kalinin. Gos. Ped. Inst. Učen. Zap.* Kalininskij Gosudarstvennyj Pedagogičeskij Institut im. M. I. Kalinina. Učenyje Zapiski. (Kalinin)
- Kaliningrad. Gos. Ped. Inst. Učen. Zap.* Kaliningradskij Gosudarstvennyj Pedagogičeskij Institut. Učenyje Zapiski. (Kaliningrad)
- Karachi Math. Assoc. Riazi (Souvenir).* Riazi. Souvenir of the Karachi Mathematics Association. (Karachi)
- Kazakh. Gos. Ped. Inst. Učen. Zap.* Kazahskij Gosudarstvennyj Pedagogičeskij Institut im. Abaja. Učenyje Zapiski. (Alma-Ata)
- Kazan. Gos. Univ. Učen. Zap.* Kazanskij Ordena Trudovogo Krasnogo Znamenij Gosudarstvennyj Universitet im. V. I. Ul'janova-Lenina. Učenyje Zapiski. (Kazan)
- Keiei-Kagaku.* Keiei-Kagaku (Management Science). Japanese Operations Research Association. (Tokyo)
- Kemerov. Gos. Ped. Inst. Učen. Zap.* Kemerovskij Gosudarstvennyj Pedagogičeskij Institut. Učenyje Zapiski. (Kemerovo)
- *Kenkyū Kiyō—Gakushūin Kōtōka.* Memoirs of Gakushūin High School. (Tokyo)
- Kexue Tongbao.* Chinese Academy of Science. Kexue Tongbao (Science Bulletin). (Peking)
- Kexue Tongbao (Foreign Lang. Ed.).* Academia Sinica. Kexue Tongbao (Science Bulletin) (Foreign Language Edition). (Peking)
- Kibernetika (Kiev).* Otdelenie Matematiki, Mehaniki i Kibernetiki Akademii Nauk Ukrainkoj SSR. Kibernetika. (Kiev) (Translated as: *Cybernetics*)
- Kirov. Gos. Ped. Inst. Učen. Zap.* Kirovskij Gosudarstvennyj Pedagogičeskij Institut imeni V. I. Lenina. Učenyje Zapiski. (Yoshkar-Ola)
- Kišinev. Gos. Univ. Učen. Zap.* Ministerstvo Narodnogo Obrazovanija Moldavskoj SSR. Kišinevskij Gosudarstvennyj Universitet. Učenyje Zapiski. (Kišinev)
- Knižnice Odborných a Vědeckých Spisů Vysokého Učení Technického v Brně.* Knižnice Odborných a Vědeckých Spisů Vysokého Učení Technického v Brně. Vysoké Učení Technické v Brně. (Brno)
- Kōdai Math. Sem. Rep.* Kōdai Mathematical Seminar Reports. (Tokyo)
- Kolomen. Ped. Inst. Učen. Zap.* Ministerstvo Prosvěščenija RSFSR. Kolomenskij Pedagogičeskij Institut. Učenyje Zapiski. (Kolomna)
- Kostrom. Gos. Ped. Inst. Učen. Zap.* Kostromskij Gosudarstvennyj Pedagogičeskij Institut imeni N. A. Nekrasova. Učenyje Zapiski. (Jaroslavl)
- Krasnodar. Gos. Ped. Inst. Naučn. Trudy.* Krasnodarskij Gosudarstvennyj Pedagogičeskij Institut. Naučnye Trudy. (Krasnodar)
- Kulbyšev. Gos. Ped. Inst. Učen. Zap.* Ministerstvo Prosvěščenija RSFSR. Kulbyševskij Gosudarstvennyj Pedagogičeskij Institut imeni V. V. Kulbyševa. Učenyje Zapiski. (Kuybyshev)
- Kumamoto J. Sci. Ser. A.* Kumamoto Journal of Science. Series A (Mathematics, Physics and Chemistry). (Kumamoto)
- *Kursk. Gos. Ped. Inst. Učen. Zap.* Kurskij Gosudarstvennyj Pedagogičeskij Institut. Učenyje Zapiski. (Belgorod)
- Kybernetika (Prague).* Kybernetika. (Prague)
- Kyungpook Math. J.* Kyungpook National University. Kyungpook Mathematical Journal. (Taegu)
- Labdev—J. Sci. Tech. Part A.* Labdev. Journal of Science and Technology. Part A—Physical Sciences. (Kanpur)
- Latvijas PSR Zinātņu Akad. Vēstis.* Latvijas PSR Zinātņu Akadēmijas Vēstis. Izvēstija Akademijai Nauk Latvijas SSR. (Riga)
- Latvijas PSR Zinātņu Akad. Vēstis Fiz. Tehn. Zinātņu Sēr.* Latvijas PSR Zinātņu Akadēmijas Vēstis. Fizikas un Tehnisko Zinātņu Sērija. Izvēstija Akademijai Nauk Latvijas SSR. Sērija Fiziskās i Tehniskās Nauk. (Riga)
- Latvijas Valsts Univ. Zinātņ. Raksti.* PSRS Augstākās Izglītības Ministrija. Pēteris Stučka Latvijas Valsts Universitāte. Zinātniskie Raksti. Ministerstvo Vysogo Obrazovanija. Latvijas Gosudarstvennyj Universitet im. Petra Stučki. Učenyje Zapiski. (Riga)
- Leninabad. Gos. Ped. Inst. Učen. Zap.* Leninabadskij Gosudarstvennyj Pedagogičeskij Institut. Učenyje Zapiski. (Dushanbe)

ABBREVIATIONS OF NAMES OF JOURNALS

- Leningrad. Gos. Ped. Inst. Učen. Zap.* Leningradskii Gosudarstvennyi. Pedagogičeskii Institut im. A. I. Gercena. Učenyje Zapiski. (Leningrad)
- Leningrad. Gos. Univ. Učen. Zap. Ser. Mat. Nauk.* Leningradskii Gosudarstvennyi Ordena Lenina Universitet imeni. A. A. Zdanova. Učenyje Zapiski. Serija Matematičeskikh Nauk. (Leningrad)
- Leningrad. Inž.-Ekonom. Inst. Trudy.* Leningradskii Inženerno-Ekonomičeskii Institut imeni Pal'miro Tol'jatti. Trudy. (Leningrad)
- Leningrad. Meh. Inst. Sb. Naučn. Trudov.* Leningradskii Mehaničeskii Institut. Sbornik Naučnykh Trudov (LMI). (Leningrad)
- Leningrad. Politehn. Inst. Trudy.* Ministerstvo Vysshego i Srednego Special'nogo Obrazovanija RSFSR. Leningradskii Politehničeskii Institut im. M. I. Kalinina. Trudy LPI. (Leningrad)
- Lett. Nuovo Cimento.* Lettere al Nuovo Cimento. Rivista Internazionale della Società Italiana di Fisica. (Bologna)
- Linear Algebra and Appl.* Linear Algebra and its Applications. (New York)
- Litovsk. Fiz. Sb.* Lietuvos TSR Mokslų Akademija. Lietuvos TSR Aukštiosios Mokyklos. Lietuvos Fizikos Rinkinys. Akademija Nauk Litovskoi SSR. Vyssie Školy Litovskoi SSR. Litovskii Fizičeskii Sbornik. (Vilnius)
- Litovsk. Mat. Sb.* Lietuvos TSR Mokslų Akademija. Lietuvos TSR Aukštiosios Mokyklos. Lietuvos Matematikos Rinkinys. Akademija Nauk Litovskoi SSR. Vyssie Učebnye Zavedenija Litovskoi SSR. Litovskii Matematičeskii Sbornik. (Vilnius)
- Logique et Analyse.* Logique et Analyse. (Louvain)
- Lucrări Ști. Inst. Ped. Galați.* Lucrări Științifice. Institutul Pedagogic Galați. (Galați)
- L'vov. Politehn. Inst. Naučn. Zap. Ser. Fiz.-Mat.* MVO USSR. L'vovskii Politehničeskii Institut. Naučnye Zapiski. Serija Fiziko-Matematičeskaja. (Lvov)
- Magnetohydrodynamics.* Magnetohydrodynamics. (A translation of *Magnitnaya Gidrodinamika* of the Academy of Sciences of the Latvian SSR). (New York) (Translation of *Magnit. Gidrodinamika*)
- Magnit. Gidrodinamika.* Akademija Nauk Latvinskoi SSR. Magnitnaja Gidrodinamika. (Riga) (Translated as: *Magnetohydrodynamics*)
- Magyar Tud. Akad. Mat. Fiz. Ossz. Kész.* A Magyar Tudományos Akadémia Matematikai és Fizikai Tudományok Osztályának Közleményei. (Budapest)
- Management Sci.* Management Science. Journal of the Institute of Management Science. (Philadelphia, Pa.)
- Manuscripta Math.* Manuscripta Mathematica. (Berlin)
- Mari. Gos. Ped. Inst. Učen. Zap.* Mariiskii Gosudarstvennyi Pedagogičeskii Institut. Učenyje Zapiski. (Ioshkar-Ola)
- Mat. Časopis Sloven. Akad. Vied.* Matematički Časopis Slovenskeje Akademije Vied. (Bratislava)
- Mat.-Fys. Medd. Danske Vid. Selsk.* Matematiskfysiske Meddelelser udgivet af Det Kongelige Danske Videnskabsnernes Selskab. (Copenhagen)
- Mat.-Fys. Skr. Danske Vid. Selsk.* Matematiskfysiske Skrifter udgivet af Det Kongelige Danske Videnskabsnernes Selskab. (Copenhagen)
- Mat. Issled.* Akademija Nauk Moldavskoi SSR. Institut Matematiki s Vyšitel'nym Centrom. Matematičeskie Issledovanija. (Kishinev)
- Mat. Lapok.* Matematikai Lapok. Bolyai János Matematikai Társulat. (Budapest)
- Mat. Sb.* Matematičeskii Sbornik. Novaja Serija. (Moscow) (Translated as: *Math. USSR-Sb.*)
- Mat. Vesnik.* Društvo Matematicara, Fizičara i Astronoma SRS i Matematički Institut-Beograd. Matematički Vesnik. Nova Serija. (Belgrade)
- Mat. Zametki.* Akademija Nauk Sojuza SSR. Matematičeskie Zametki. (Moscow) (Translated as: *Math. Notes*)
- Matematichesk (Catania).* Le Matematiche. (Catania)
- Matematika—Period. Sb. Perevodov Inostran. Statei.* Matematika. Periodičeskii Sbornik Perevodov Inostrannykh Statei. (Moscow)
- Math. Algorithms.* Massachusetts Institute of Technology. Mathematical Algorithms. (Cambridge, Mass.)
- Math. Ann.* Mathematische Annalen. (Berlin)
- Math. Biosci.* Mathematical Biosciences: An International Journal. (New York)
- Math. Centrum Amsterdam Afd. Toegepaste Wisk.* Mathematisch Centrum Amsterdam. Afdeling Toegepaste Wiskunde. (Amsterdam)
- Math. Centrum Amsterdam Afd. Zuivere Wisk.* Mathematisch Centrum Amsterdam. Afdeling Zuivere Wiskunde. (Amsterdam)
- Math. Centrum Amsterdam Rekenafdeling.* Mathematisch Centrum Amsterdam. Rekenafdeling. (Amsterdam)
- Math. Comp.* Mathematics of Computation. (Washington, D.C.)
- Math. Gaz.* The Mathematical Gazette. (London)
- Math. J. Okayama Univ.* Mathematical Journal of Okayama University. (Okayama)
- Math. Japon.* Mathematica Japonicae. (Kobe)
- Math. Mag.* Mathematics Magazine. (Buffalo, N.Y.)
- Math. Nachr.* Mathematische Nachrichten. (Berlin)
- Math. Notae.* Mathematicae Notae. Boletín del Instituto de Matemática. (Rosario)
- Math. Notes.* Mathematical Notes of the Academy of Sciences of the USSR. (New York) (Translation of *Mat. Zametki*)
- *Math. Operationsforsch. Statist.* Mathematische Operationsforschung und Statistik. (Berlin)
- Math.-Phys. Semesterber.* Mathematisch-Physikalische Semesterberichte. (Göttingen)
- Math. Rep. College General Ed. Kyushu Univ.* Mathematical Reports of College of General Education Kyushu University. (Fukuoka)
- Math. Reviews.* Mathematical Reviews. (Providence, R.I.) (Usually abbreviated as *MR* in the text of *Math. Reviews*)
- Math. Scand.* Mathematica Scandinavica. (Copenhagen)
- Math. Sci. Humaines.* Centre de Mathématique Sociale et de Statistique EPHE. Mathématiques et Sciences Humaines. (Paris)
- Math. Student.* The Mathematics Student. (Madras)
- Math. Systems Theory.* Mathematical Systems Theory. (New York)
- Math. und Wirtschaft.* Mathematik und Wirtschaft. (Berlin)
- Math. USSR-Izv.* Mathematics of the USSR-Izvestija. (Providence, R.I.) (Translation of *Izv. Akad. Nauk SSSR Ser. Mat.*)
- Math. USSR-Sb.* Mathematics of the USSR-Sbornik. (Providence, R.I.) (Translation of *Mat. Sb.*)
- Math. Z.* Mathematische Zeitschrift. (Berlin)
- Mathematica (Cluj).* Societatea de Științe Matematice și Fizice din R.P.R. Filiala Cluj. Mathematica. (Cluj)
- Mathematika.* Mathematika. A Journal of Pure and Applied Mathematics. (London)
- Matrix Tensor Quart.* The Tensor Club of Great Britain. The Matrix and Tensor Quarterly. (London)
- Mecanica—J. Italian Assoc. Theoret. Appl. Mech.* Meccanica. Journal of the Italian Association of Theoretical and Applied Mechanics. (Milan)
- Mech. Teoret. Stos.* Polskie Towarzystwo Mechaniki Teoretycznej i Stosowanej. Mechanika Teoretyczna i Stosowana. (Warsaw)
- Med. Konink. Vlaamse Acad. Wetensch. Lett. Schone Kunst. België Kl. Wetensch.* Mededelingen van de Koninklijke Vlaamse Academie voor Wetenschappen, Letteren en Schone Kunsten van België. Klasse der Wetenschappen. (Brussels)

ABBREVIATIONS OF NAMES OF JOURNALS

- Madd. Lunds Univ. Mat. Sem.* Meddelanden från Lunds Universitets Matematiska Seminarium. Communications du Séminaire Mathématique de l'Université de Lund. (Lund)
- **Mehanika-Period. Sb. Perevodov Inostran. Statei.* Mehanika Periodičeskii Sbornik Perevodov Inostrannykh Statei. (Moscow)
- Melekes. Gos. Ped. Inst. Učen. Zap.* Melekeskii Gosudarstvennyi Pedagogičeskii Institut. Učeny Zapiski. (Melekes)
- Mem. Accad. Sci. Torino Cl. Sci. Fis. Mat. Natur.* Memorie dell'Accademia delle Scienze di Torino. Classe di Scienze Fisiche, Matematiche e Naturali. (Turin)
- Mem. Amer. Math. Soc.* Memoirs of the American Mathematical Society. (Providence, R.I.)
- Mem. Defense Acad.* Memoirs of the Defense Academy (Mathematics, Physics, Chemistry and Engineering) (Yokosuka)
- Mem. Ehime Univ. Sect. II Ser. A.* Memoirs of the Ehime University. Section II. Natural Science. Series A. (Matsuyama)
- Mem. Fac. Ci. Univ. Habana Ser. Mat.* Memorias de la Facultad de Ciencias. Universidad de la Habana. Serie Matemática. (Havana)
- Mem. Fac. Ed. Kumamoto Univ. Sect. I.* Memoirs of the Faculty of Education. Kumamoto University. Section I. (Natural Science). (Kumamoto)
- Mem. Fac. Engrg. Hiroshima Univ.* Memoirs of the Faculty of Engineering. Hiroshima University. (Hiroshima)
- Mem. Fac. Engrg. Kyoto Univ.* Memoirs of the Faculty of Engineering. Kyoto University. (Kyoto)
- Mem. Fac. Engrg. Miyazaki Univ.* Memoirs of the Faculty of Engineering. Miyazaki University. (Miyazaki)
- Mem. Fac. Indust. Arts Kyoto Tech. Univ. Sci. and Tech.* Memoirs of the Faculty of Industrial Arts. Kyoto Technical University. Science and Technology. (Kyoto)
- Mem. Fac. Lit. Sci. Shimane Univ. Natur. Sci.* Memoirs of the Faculty of Literature and Science. Shimane University. Natural Sciences. (Matsue)
- Mem. Fac. Sci. Kyushu Univ. Ser. A.* Memoirs of the Faculty of Science. Kyushu University. Series A. Mathematics. (Fukuoka)
- Mem. Kitami Inst. Tech.* Memoirs of the Kitami Institute of Technology. (Kitami)
- Mem. Mat. Inst. "Jorge Juan".* Consejo Superior de Investigaciones Científicas. Memorias de Matemática del Instituto "Jorge Juan". (Madrid)
- Mem. Muroran Inst. Tech.* Memoirs of the Muroran Institute of Technology. (Muroan)
- Mem. Osaka Gakugei Univ. B Natur. Sci.* Memoirs of Osaka Gakugei University B. Natural Sciences. (Osaka) (Continued as: *Mem. Osaka Kyoiku Univ. III Natur. Sci. Appl. Sci.*)
- Mem. Osaka Kyoiku Univ. III Natur. Sci. Appl. Sci.* Memoirs of Osaka Kyoiku University. III. Natural Science and Applied Science. (Osaka) (Formerly: *Mem. Osaka Gakugei Univ. B Natur. Sci.*)
- Mem. Real Acad. Ci. Art. Barcelona.* Memorias de la Real Academia de Ciencias y Artes de Barcelona. (Barcelona)
- Mem. Real Acad. Ci. Exact. Fis. Natur. Madrid.* Memorias de la Real Academia de Ciencias Exactas, Fisicas y Naturales de Madrid. Serie de Ciencias Exactas. (Madrid)
- Mem. School Sci. Engrg. Waseda Univ.* Memoirs of the School of Science and Engineering. Waseda University. (Tokyo)
- Mem. Soc. Astronom. Ital.* Memorie della Società Astronomica Italiana. (Milan)
- Mém. Soc. Roy. Sci. Liège Coll. in-8°.* Mémoires de la Société Royale des Sciences de Liège. Collection in-8°. (Liège)
- Mémoir. Sci. Math.* Mémoires des Sciences Mathématiques. (Paris)
- Mémoir. Sci. Phys.* Mémoires des Sciences Physiques. (Paris)
- Metody Vyčisl. Leningradskii Ordena Lenina Gosudarstvennyi Universitet imeni A. A. Zdanova. Kafedra Vyčislitel'noi Matematiki i Vyčislitel'nyi Centr.* Metody Vyčislenii. (Leningrad)
- Metrika. Metrika.* (Würzburg)
- Metroecon. Metroeconomica.* Rivista Internazionale di Economia. (Bologna)
- Metron. Metron.* (Rome)
- Michigan Math. J.* The Michigan Mathematical Journal. (Ann Arbor, Mich.)
- Mind. Mind.* A Quarterly Review of Psychology and Philosophy. (Oxford, England)
- Mitt. Inst. Angew. Math. Zürich.* Mitteilungen aus dem Institut für angewandte Mathematik an der Eidgenössischen Technischen Hochschule in Zürich. (Zürich)
- Mitt. Math. Gesellsch. Hamburg.* Mitteilungen der mathematischen Gesellschaft in Hamburg. (Hamburg)
- Mitt. Math. Sem. Giessen.* Mitteilungen aus dem Mathematischen Seminar Giessen. (Giessen)
- Mitt. Verein. Schweiz. Versich.-Math.* Mitteilungen der Vereinigung Schweizerischer Versicherungsmathematiker. Bulletin de l'Association des Actuaires Suisses. (Bern)
- Molecular Phys.* Molecular Physics. (London)
- Monatsh. Deutsch. Akad. Wiss. Berlin.* Monatsberichte der Deutschen Akademie der Wissenschaften zu Berlin. (Berlin)
- Monatsh. Math.* Monatshefte für Mathematik. (Vienna)
- Moscow Univ. Bull. Ser. III Phys. Astronom.* Moscow University. Moscow University Bulletin. Series III. Physics and Astronomy. (Acton, Mass.) (Translation of *Vestnik Moskov. Univ. Ser. III Fiz. Astronom.*)
- **Moscow Univ. Phys. Bull.* Moscow University Physics Bulletin. (New York) (Translation of *Vestnik Moskov. Univ. Ser. III Fiz. Astronom.*)
- Moskov. Gos. Ped. Inst. Učen. Zap.* Moskovskii Gosudarstvennyi Pedagogičeskii Institut im. V. I. Lenina. Učeny Zapiski. (Moscow)
- Moskov. Gos. Univ. Soobšč. Gos. Astronom. Inst. Šternberg.* Moskovskii Gosudarstvennyi Universitet im. M. V. Lomonosova. Soobščeniia Gosudarstvennogo Astronomičeskogo Instituta im. P. K. Šternberga. (Moscow)
- Moskov. Gos. Univ. Trudy Gos. Astronom. Inst. Šternberg.* Moskovskii Gosudarstvennyi Universitet im. M. V. Lomonosova. Trudy Gosudarstvennogo Astronomičeskogo Instituta im. P. K. Šternberga. (Moscow)
- Moskov. Gos. Univ. Voprosy Meh.* Moskovskii Gosudarstvennyi Universitet. Voprosy Mehaniki. (Moscow)
- **Moskov. Inst. Elektron. Mašinostroeniia Trudy MIEM.* Ministerstvo Vysšego i Srednego Special'nogo Obrazovaniia RSFSR. Moskovskii Institut Elektronnogo Mašinostroeniia. Trudy MIEM. (Moscow)
- Moskov. Inst. Inž. Železnodoroi. Transporta Trudy.* Moskovskii Institut Inženerov Železnodorozhnogo Transporta. Trudy. (Moscow)
- Moskov. Oblast. Ped. Inst. Učen. Zap.* Moskovskii Oblastnoi Pedagogičeskii Institut. Učeny Zapiski. (Moscow)
- Moskov. Zaočn. Ped. Inst. Učen. Zap.* Moskovskii Zaočnyi Pedagogičeskii Institut. Učeny Zapiski. (Moscow)
- MR.* Mathematical Reviews. (Providence, R.I.)
- **Muromsk. Gos. Ped. Inst. Učen. Zap.* Muromskii Gosudarstvennyi Pedagogičeskii Institut. Učeny Zapiski. (Vladimir)
- Nachr. Akad. Wiss. Göttingen Math.-Phys. Kl. II.* Nachrichten der Akademie der Wissenschaften in Göttingen. II. Mathematisch-Physikalische Klasse. (Göttingen)
- Nagoya Math. J.* Nagoya Mathematical Journal. (Nagoya)
- Nanta Math.* Nanyang University. Nanta Mathematica. (Singapore)
- Natur. Sci. Rep. Ochanomizu Univ.* Natural Science Report of the Ochanomizu University. (Tokyo)
- Naval Res. Logist. Quart.* Naval Research Logistics Quarterly. (Washington, D.C.)

ABBREVIATIONS OF NAMES OF JOURNALS

NEC Res. Development. NEC Research and Development (Technical Journal of Nippon Electric Co., Ltd.). (Tokyo)

Nederl. Akad. Wetensch. Indag. Math. Koninklijke Nederlandse Akademie van Wetenschappen. Indagationes Mathematicae ex Actis Quibus Titulus. Proceedings of the Section of Sciences. (Amsterdam) (Same as: *Nederl. Akad. Wetensch. Proc. Ser. A*)

Nederl. Akad. Wetensch. Proc. Ser. A. Koninklijke Nederlandse Akademie van Wetenschappen. Proceedings. Series A. Mathematical Sciences. (Amsterdam) (Same as: *Nederl. Akad. Wetensch. Indag. Math.*)

Nederl. Akad. Wetensch. Proc. Ser. B. Koninklijke Nederlandse Akademie van Wetenschappen. Proceedings. Series B. Physical Sciences. (Amsterdam)

Nederl. Akad. Wetensch. Verslag Afd. Natuurk. Koninklijke Nederlandse Akademie van Wetenschappen. Verslag van de Gewone Vergadering van de Afdeling Natuurkunde. (Amsterdam)

Nieuw Arch. Wisk. Nieuw Archief voor Wiskunde. (Groningen)

Nigerian J. Sci. University of Ibadan. Nigerian Journal of Science. (Ibadan)

Nordisk Mat. Tidsskr. Nordisk Matematisk Tidsskrift. (Oslo)

Nordisk Tidsskr. Informationsbehandling (BIT). Nordisk Tidsskrift for Informationsbehandling. (Copenhagen)

Norske Vid. Selsk. Forh. (Trondheim). Det Kongelige Norske Videnskabs Selskabs Forhandling. (Trondheim)

Norske Vid. Selsk. Skr. (Trondheim). Det Kongelige Norske Videnskabs Selskabs Skrifter. (Trondheim)

Notas Mat. Notas de Matemática. (Rio de Janeiro)

Notices Amer. Math. Soc. Notices of the American Mathematical Society. (Providence, R.I.)

Notre Dame J. Formal Logic. Notre Dame Journal of Formal Logic. (Notre Dame, Ind.)

Nova Acta Leopoldina (N.F.). Nova Acta Leopoldina. Abhandlungen der Deutschen Akademie der Naturforscher Leopoldina. Neue Folge. (Leipzig) (Formerly: *Deutsch. Akad. Naturforsch. Nova Acta Leopoldina N.F.*)

Novgorod. Golovn. Gos. Ped. Inst. Učen. Zap. Novgorodskii Golovnoi Gosudarstvennyi Pedagogičeskii Institut. Učeny Zapiski. (Novgorod)

NTM Schr. Geschichte Naturwiss. Tech. Medizin. NTM Schriftenreihe für Geschichte der Naturwissenschaften Technik und Medizin. (Leipzig)

**Nuclear Phys.* Nuclear Physics. (Amsterdam)

Numer. Math. Numerische Mathematik. (Berlin)

Nuovo Cimento A. Il Nuovo Cimento A. (Bologna)

Nuovo Cimento B. Il Nuovo Cimento B. (Bologna)

Obzornik Mat. Fiz. Društvo Matematikov, Fizikov in Astronomov SRS. Obzornik za Matematiko in Fiziko. (Ljubljana)

Odess. Gos. Univ. Naučn. Ežegodnik. Ministerstvo Vyšego i Srednego Special'nogo Obrazovanija USSR. Odesskii Gosudarstvennyi Universitet. Naučnyi Ežegodnik. (Odessa)

Operations Res. Operations Research. The Journal of the Operations Research Society of America. (Baltimore, Md.) (Sometimes abbreviated as *OR* in *Math. Reviews*)

Optica Acta. Optics Acta. (London)

Optimal. Planirovanie. Optimal'noe Planirovanie. Akademija Nauk SSSR. Sibirskoe Otdelenie. Institut Matematiki. (Novosibirsk)

Orehovo-Zuev. Ped. Inst. Učen. Zap. Kaf. Mat. Ministerstvo Prosvešćenija RSFSR. Orekhovo-Zuevskii Pedagogičeskii Institut. Učeny Zapiski Kafedry Matematiki. (Moscow)

Orenburg. Gos. Ped. Inst. Učen. Zap. Orenburgskii Gosudarstvennyi Pedagogičeskii Institut im. V. P. Čkalova. Učeny Zapiski. (Chelyabinsk)

**Organon.* Organon. Institut d'Histoire de la Science et de la Technique auprès de l'Académie Polonaise des Sciences. (Warsaw)

Orlov. Gos. Ped. Inst. Učen. Zap. Orlovskii Gosudarstvennyi Pedagogičeskii Institut. Učeny Zapiski. (Orel)

Osaka J. Math. Osaka Journal of Mathematics. (Osaka)

Österreich. Akad. Wiss. Math.-Natur. Kl. S.-B. II. Österreichische Akademie der Wissenschaften. Mathematisch-Naturwissenschaftliche Klasse. Sitzungsberichte. Abteilung II. Mathematik, Astronomie, Physik, Meteorologie und Technik. (Vienna)

PA. Science Abstracts. Physics Abstracts. (London)

Pacific J. Math. Pacific Journal of Mathematics. (Berkeley, Calif.)

Panjab Univ. J. Math. (Lahore). Panjab University Journal of Mathematics. (Lahore)

Papers and Proc. Roy. Soc. Tasmania. Papers and Proceedings of the Royal Society of Tasmania. (Hobart)

**Pattern Recognition.* The Journal of the Pattern Recognition Society. (New York/Oxford)

Penz. Politehn. Inst. Učen. Zap. Mat. Meh. Penzenskii Politehničeskii Institut. Matematika i Mehanika. Učeny Zapiski. (Penza)

Period. Mat. Periodico di Matematiche. (Bologna)

Perm. Gos. Ped. Inst. Učen. Zap. Permskii Gosudarstvennyi Pedagogičeskii Institut. Učeny Zapiski. (Perm)

Perm. Gos. Univ. Učen. Zap. Permskii Gosudarstvennyi Universitet imeni A. M. Gor'kogo. Učeny Zapiski. (Perm)

Perm. Politehn. Inst. Sb. Naučn. Trudov. Permskii Politehničeskii Institut. Sbornik Naučnyh Trudov. (Perm)

Philos. Sci. Philosophy of Science. (Baltimore, Md.)

Philos. Trans. Roy. Soc. London Ser. A. Philosophical Transactions of the Royal Society of London. Series A. Mathematical and Physical Sciences. (London)

Phys. Fluids. The Physics of Fluids. (New York)

**Phys. Lett.* Physics Letters. (Amsterdam)

Phys. Norveg. Physica Norvegica. (Oslo)

Phys. Rev. The Physical Review. (New York) (Continued as: *Phys. Rev. A-D*)

**Phys. Rev. A.* Physical Review A. General Physics. (New York) (Formerly: *Phys. Rev.*)

**Phys. Rev. B.* Physical Review B. Solid State. (New York) (Formerly: *Phys. Rev.*)

**Phys. Rev. C.* Physical Review C. Nuclear Physics. (New York) (Formerly: *Phys. Rev.*)

**Phys. Rev. D.* Physical Review D. Particles and Fields. (New York) (Formerly: *Phys. Rev.*)

**Phys. Rev. Lett.* Physical Review Letters. (New York)

Physica. Physica. Physique. Fizika. (Long Island, N.Y.)

Physics Abstracts. Science Abstracts. Physics Abstracts. (London) (Usually abbreviated *PA* in the text of *Math. Reviews*)

Physica. Physica. Rivista Internazionale di Storia della Scienza. (Florence) (Continued as: *Physica—Riv. Internaz. Storia Sci.*)

Physica—Riv. Internaz. Storia Sci. Physica. Rivista Internazionale di Storia della Scienza. (Florence) (Formerly: *Physica*)

Pi Mu Epsilon J. Pi Mu Epsilon Journal. (Norman, Okla.)

Pokroky Mat. Fyz. Astronom. Jednota Československých Matematiků a Fyziků. Pokroky Matematiky, Fyziky a Astronomie. (Prague)

Polaka Biblio. Analit. Mech. Polaka Akademia Nauk. Instytut Podstawowych Problemów Techniki. Polaka Bibliografia Analizy. Mechanika. Polish Scientific Abstracts. Mechanics. (Warsaw)

Portugal. Math. Portugaliae Mathematica. (Lisbon)

Portugal. Phys. Portugaliae Physica. (Lisbon)

ABBREVIATIONS OF NAMES OF JOURNALS

- **Prace Inst. Automat. P.A.N.* Instytut Automatyki Polskiej Akademii Nauk. Prace. (Warsaw)
- Prace Inst. Maszyn Przepływowych.* Prace Instytutu Maszyn Przepływowych. Transactions of the Institute of Fluid-Flow Machinery. (Warsaw)
- Prace Mat. Roczniki Polskiego Towarzystwa Matematycznego. Seria I. Prace Matematyczne.* (Warsaw)
- Prakt. Akad. Athénen.* Πρακτικά τῆς Ἀκαδημίας Ἀθηνῶν. (Athens)
- Praxis Math.* Praxis der Mathematik. (Vienna)
- Pribl. Metod. Rešen. Differencial'. Uravnen.* Priblizhennyye Metody Resheniya Differentsial'nykh Uravneniy. (Kiev)
- **Prikl. Mat. i Programirovanie.* Akademiya Nauk Moldavskoi SSR. Institut Matematiki s Vychislitel'nym Centrom. Prikladnaya Matematika i Programirovanie. (Kishinev)
- Prikl. Mat. Meh.* Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Institut Mekhaniki. Prikladnaya Matematika i Mekhanika. (Moscow) (Translated as: *J. Appl. Math. Mech.*)
- Prikladna. Meh.* Akademiya Nauk Ukrainakoi SSR. Otdelenie Matematiki, Mekhaniki i Kibernetiki. Prikladnaya Mekhanika. (Kiev) (Translated as: *Soviet Appl. Mech.*)
- Primenen. Mat. Ekonom.* Leningradskii Ordena Lenina Gosudarstvennyi Universitet imeni A. A. Zdanova. Kafedra i Laboratoriya Ekonomiko-Matematicheskikh Metodov. Primenenie Matematiki v Ekonomike. (Leningrad)
- Probleme der Kybernetik.* Probleme der Kybernetik. (Berlin) (Translation of *Problemy Kibernet.*)
- Problems of Information Transmission.* Problems of Information Transmission. (New York) (Translation of *Problemy Peredachi Informatsii*)
- Problemy Kibernet.* Problemy Kibernetiki. (Moscow) (Translated as: *Systems Theory Res.*)
- Problemy Mat. Anal. Sloz. Sistem.* Voronezhskii Gosudarstvennyi Universitet. Problemy Matematicheskogo Analiza Slozhnykh Sistem. (Voronezh)
- Problemy Peredachi Informatsii.* Akademiya Nauk SSSR. Institut Problem Peredachi Informatsii Akademii Nauk SSSR. Problemy Peredachi Informatsii. (Moscow) (Translated as: *Problems of Information Transmission*)
- Proc. Amer. Math. Soc.* Proceedings of the American Mathematical Society. (Providence, R.I.)
- Proc. Cambridge Philos. Soc.* Proceedings of the Cambridge Philosophical Society. (Cambridge, England)
- Proc. Edinburgh Math. Soc.* Proceedings of the Edinburgh Mathematical Society. (Edinburgh) (Contains *Proc. Edinburgh Math. Soc. Edinburgh Math. Notes*)
- Proc. Edinburgh Math. Soc. Edinburgh Math. Notes.* Proceedings of the Edinburgh Mathematical Society. Edinburgh Mathematical Notes. (Edinburgh) (Included in *Proc. Edinburgh Math. Soc.*)
- Proc. Fac. Engrg. Keio Univ.* Proceedings of the Fujihara Memorial Faculty of Engineering. Keio University. (Tokyo)
- Proc. Fac. Sci. Tokai Univ.* Proceedings of the Faculty of Science of Tokai University. (Tokyo)
- Proc. Indian Acad. Sci. Sect. A.* Proceedings of the Indian Academy of Sciences. Section A. (Bangalore)
- Proc. Inst. Statist. Math.* The Proceedings of the Institute of Statistical Mathematics. (Tokyo)
- Proc. Iowa Acad. Sci.* Proceedings of the Iowa Academy of Science. (Des Moines, Iowa)
- Proc. Japan Acad.* Proceedings of the Japan Academy. (Tokyo)
- Proc. London Math. Soc.* Proceedings of the London Mathematical Society. (London)
- Proc. Math. Phys. Soc. U.A.R. (Egypt).* Proceedings of the Mathematical and Physical Society of U.A.R. (Egypt). (Cairo)
- Proc. Nat. Acad. Sci. India Sect. A.* Proceedings of the National Academy of Sciences, India. Section—A. (Allahabad)
- Proc. Nat. Acad. Sci. U.S.A.* Proceedings of the National Academy of Sciences of the United States of America. (Washington, D.C.)
- Proc. Nat. Inst. Sci. India Part A.* Proceedings of the National Institute of Sciences of India. Part A. Physical Sciences. (New Delhi)
- Proc. Pakistan Statist. Assoc.* Proceedings of the Pakistan Statistical Association. (Lahore)
- Proc. Rajasthan Acad. Sci.* The Proceedings of the Rajasthan Academy of Sciences. (Pilani)
- Proc. Roy. Irish Acad. Sect. A.* Proceedings of the Royal Irish Academy. Section A. (Dublin)
- Proc. Roy. Soc. Edinburgh Sect. A.* Proceedings of the Royal Society of Edinburgh. Section A. (Mathematical and Physical Sciences). (Edinburgh)
- Proc. Roy. Soc. London Ser. A.* Proceedings of the Royal Society. London. Series A. Mathematical and Physical Sciences. (London) (May also appear as: *Proc. Roy. Soc. Ser. A*)
- Proc. Roy. Soc. Ser. A.* Proceedings of the Royal Society. Series A. Mathematical and Physical Sciences. (London) (May also appear as: *Proc. Roy. Soc. London Ser. A*)
- Proc. Steklov Inst. Math.* Proceedings of the Steklov Institute of Mathematics. (Providence, R.I.) (Translation of *Trudy Mat. Inst. Steklov.*)
- **Proc. (Trudy) P. N. Lebedev Phys. Inst.* Proceedings (Trudy) of the P. N. Lebedev Physics Institute. (New York/London) (Translation of *Trudy Fiz. Inst. Lebedev.*)
- Proc. Vibration Problems.* Polish Academy of Sciences. Institute of Basic Technical Problems. Proceedings of Vibration Problems. (Warsaw)
- Proc. West Virginia Acad. Sci.* West Virginia University Bulletin. West Virginia Academy of Science. Proceedings. (Morgantown, W. Va.)
- Progr. Math.* See Shuzue Jinzhan.
- Progr. Math. (Allahabad).* Academy for Progress of Mathematics of the University of Allahabad. Progress of Mathematics. (Allahabad)
- Progr. Theoret. Phys.* Progress of Theoretical Physics. (Kyoto)
- Przegląd Statyst.* Sekcja Statystyki Polskiego Towarzystwa Ekonomicznego. Przegląd Statystyczny. (Warsaw)
- Pakov. Ped. Inst. Fiz.-Mat. Fak. Učen. Zap.* Ministerstvo Prosveshcheniya RSFSR. Pakovskii Pedagogicheskii Institut. Fiziko-Matematicheskii Fakul'tet. Uchenye Zapiski. (Pakov)
- Psychometrika.* Psychometrika. A Journal Devoted to the Development of Psychology as a Quantitative Rational Science. (Chapel Hill, N.C.)
- Publ. Centro Estudos Mat. Porto.* Publicações do Centro de Estudos Matemáticos do Porto. (Porto, Portugal)
- Publ. Dép. Math. (Lyon).* Publications du Département de Mathématiques. Faculté des Sciences de Lyon. (Lyon)
- Publ. Dept. Math. (Ljubljana).* University of Ljubljana. Institute of Mathematics, Physics and Mechanics. Publications of the Department of Mathematics. (Ljubljana)
- Publ. Inst. Math. (Beograd).* Institut Mathématique. Publications de l'Institut Mathématique. Nouvelle Série. (Belgrade)
- Publ. Inst. Statist. Univ. Paris.* Publications de l'Institut de Statistique de l'Université de Paris. (Paris)
- Publ. Math. Debrecen.* Publicationes Mathematicae. (Debrecen)
- **Publ. Ramanujan Inst.* Publications of the Ramanujan Institute. (Madras)
- Publ. Res. Inst. Math. Sci.* Publications of the Research Institute for Mathematical Sciences. (Kyoto) (Formerly: *Publ. Res. Inst. Math. Sci. Ser. A*; *Publ. Res. Inst. Math. Sci. Ser. B*)
- Publ. Res. Inst. Math. Sci. Ser. A.* Publications of the Research Institute for Mathematical Sciences. Series A. (Kyoto) (Continued as: *Publ. Res. Inst. Math. Sci.*)

ABBREVIATIONS OF NAMES OF JOURNALS

- Publ. Res. Inst. Math. Sci. Ser. B.* Publications of the Research Institute for Mathematical Sciences. Series B. (Kyoto) (Continued as: *Publ. Res. Inst. Math. Sci.*)
- Publ. Sémin. Géom. Univ. Neuchâtel.* Publications du Séminaire de Géométrie de l'Université de Neuchâtel. (Neuchâtel)
- Quart. Appl. Math.* Quarterly of Applied Mathematics. (Providence, R.I.)
- Quart. J. Math. Oxford Ser.* The Quarterly Journal of Mathematics, Oxford Second Series. (Oxford)
- Quart. J. Mech. Appl. Math.* The Quarterly Journal of Mechanics and Applied Mathematics. (Oxford)
- Quart. Rev. Sci. Publ.* Polish Academy of Sciences. Distribution Centre for Scientific Publications. Quarterly Review of Scientific Publications. (Warsaw)
- RAAG Res. Notes.* RAAG Research Notes. (Tokyo)
- Rad Jugoslav. Akad. Znan. Umjet.* Rad Jugoslavenake Akademije Znanosti i Umjetnosti. (Zagreb)
- Radio Engrg. Electron. Phys.* Radio Engineering and Electronic Physics. (Translation of *Radiotekhnika i Elektronika*, a U.S.S.R. Academy of Sciences Publication), (New York) (Translation of *Radiotekhn. i Elektron.*)
- Radio Sci.* Radio Science. (Washington, D.C.)
- Radiophys. and Quantum Electronics.* Radiophysics and Quantum Electronics. (A translation of the *Izvestiya Vysikh Uchebnykh Zavedenii Radiotekhniki* of the Ministry of Higher Education of the USSR). (New York) (Translation of *Izv. Vys. Uchebn. Zaved. Radiotekhnika*) (Formerly: *Soviet Radiophys.*)
- Radiotekhn. (Har'kov).* Har'kovskii Ordena Trudovogo Krasnogo Znameni Gosudarstvennyi Universitet imeni A. M. Gor'kogo. Radiotekhnika. (Kharkov)
- Radiotekhn. i Elektron.* Akademija Nauk SSSR. Radiotekhnika i Elektronika. (Moscow) (Translated as: *Radio Engrg. Electron. Phys.*)
- Rajasthan Univ. Studies Statist.* Rajasthan University Studies in Statistics (Science Series). (Rajasthan)
- Ratio.* Ratio. (Oxford)
- Recherche Aéropat.* La Recherche Aérospatiale. (Châtillon)
- Rend. Accad. Sci. Fis. Mat. Napoli.* Società Nazionale di Napoli. Rendiconto dell'Accademia delle Scienze Fisiche e Matematiche. (Naples)
- Rend. Circ. Mat. Palermo.* Rendiconti del Circolo Matematico di Palermo. (Palermo)
- Rend. Ist. Mat. Univ. Trieste.* Rendiconti dell'Istituto di Matematica dell'Università di Trieste. (Trieste)
- Rend. Ist. Statist. Ser. A.* Rendiconti dell'Istituto di Statistica. Serie A. (Milan)
- Rend. Mat.* Rendiconti di Matematica. Università degli Studi di Roma. Istituto Matematico Guido Castelnuovo. Istituto di Matematica Applicata. Istituto Nazionale di Alta Matematica. (Rome) (Formerly: *Rend. Mat. e Appl.*)
- Rend. Mat. e Appl.* Università di Roma. Istituto Nazionale di Alta Matematica. Rendiconti di Matematica e delle sue Applicazioni. (Rome) (Continued as: *Rend. Mat.*)
- Rend. Sem. Fac. Sci. Univ. Cagliari.* Rendiconti del Seminario della Facoltà di Scienze della Università di Cagliari. (Cagliari)
- Rend. Sem. Mat. Fis. Milano.* Rendiconti del Seminario Matematico e Fisico di Milano. (Milan)
- Rend. Sem. Mat. Messina.* Rendiconti del Seminario Matematico di Messina. (Messina)
- Rend. Sem. Mat. Univ. Padova.* Rendiconti del Seminario Matematico dell'Università di Padova. (Padua)
- Rep. Comput. Centre Univ. Tokyo.* Report of the Computer Centre. University of Tokyo. (Tokyo)
- Rep. Fac. Sci. Kagoshima Univ.* Reports of the Faculty of Science of Kagoshima University. (Kagoshima) (Formerly: *Sci. Rep. Kagoshima Univ.*)
- Rep. Fac. Sci. Shizuoka Univ.* Reports of the Faculty of Science. Shizuoka University. (Shizuoka)
- Rep. Inst. Sci. Tech. Univ. Tokyo.* The Reports of the Institute of Science and Technology, University of Tokyo. (Tokyo)
- Rep. Statist. Appl. Res. Un. Japan. Sci. Engrs.* Reports of Statistical Application Research, Union of Japanese Scientists and Engineers. (Tokyo)
- Rep. Univ. Electro-Commun.* Reports of the University of Electro-Communications. (Tokyo)
- Repúb. Venezuela Bol. Acad. Ci. Fis. Mat. Natur.* República de Venezuela. Boletín de la Academia de Ciencias Físicas, Matemáticas y Naturales. (Caracas)
- Res. Bull. Fac. Ed. Oita Univ.* The Research Bulletin of the Faculty of Education. Oita University. (Oita)
- Res. Bull. Panjab Univ.* Research Bulletin of the Panjab University. (Chandigarh)
- Res. Rep. Anan Tech. College.* Research Reports of the Anan Technical College. (Anan)
- Res. Rep. Nagaoka Tech. College.* Research Reports of the Nagaoka Technical College. (Nagaoka)
- Res. Rep. Tokyo Electrical Engrg. College.* Research Reports of Tokyo Electrical Engineering College. (Tokyo)
- Rev. Acad. Ci. Madrid.* Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales de Madrid. (Madrid)
- Rev. Acad. Ci. Zaragoza.* Revista de la Academia de Ciencias Exactas, Físico-Químicas y Naturales de Zaragoza. (Zaragoza)
- Rev. CETHEDCO.* Revue du Centre d'Études Théoriques de la Détection et des Communications. (Paris)
- Rev. Ci. (Lima).* Revista de Ciencias. (Lima)
- Rev. Colombiana Mat.* Revista Colombiana de Matemáticas. (Bogotá) (Formerly: *Rev. Mat. Elem.*)
- Rev. Fac. Ci. Univ. Coimbra.* Revista de Faculdade de Ciências da Universidade de Coimbra. (Coimbra)
- Rev. Française Informat.* Recherche Opérationnelle. Association Française d'Informatique et de Recherche Opérationnelle. Revue Française d'Informatique et de Recherche Opérationnelle. (Paris)
- Rev. Française Traitement Information Chiffres.* Revue Française de Traitement de l'Information. Chiffres. (Paris)
- Rev. Histoire Sci. Appl.* Revue d'Histoire des Sciences et de leurs Applications. (Paris)
- Rev. Inst. Internat. Statist.* Revue de l'Institut International de Statistique. Review of the International Statistical Institute. (The Hague)
- Rev. Mat. Elem.* Revista de Matemáticas Elementales. (Bogotá) (Continued as: *Rev. Colombiana Mat.*)
- Rev. Mat. Hisp.-Amer.* Revista Matemática Hispano-Americana. (Madrid)
- Rev. Mexicana Fis.* Revista Mexicana de Física. (Mexico City)
- Rev. Modern Phys.* Reviews of Modern Physics. (New York)
- Rev. Roumaine Math. Pures Appl.* Académie de la République Populaire Roumaine. Revue Roumaine de Mathématiques Pures et Appliquées. (Bucharest)
- Rev. Roumaine Phys.* Revue Roumaine de Physique. (Bucharest)
- Rev. Roumaine Sci. Tech. Sér. Méc. Appl.* Revue Roumaine des Sciences Techniques. Série de Mécanique Appliquée. (Bucharest)
- Rev. Un. Mat. Argentina.* Revista de la Unión Matemática Argentina. (Buenos Aires)
- Rice Univ. Studies.* Rice University Studies. (Houston, Tex.)
- Ricerca (Napoli).* La Ricerca. Rivista di Matematiche Pure ed Applicate. (Naples)
- Ricerca Mat.* Ricerca di Matematica. (Naples)

ABBREVIATIONS OF NAMES OF JOURNALS

- Rīgas Politehn. Inst. Zināt. Raksti.* Rīgas Politehniskais Institūts. Rīzskā Politehniskā Institut. Učēnyo Zapiski. Rīgas Politehniskais Institūts Zinātniskie Raksti. (Riga)
- Riv. Mat. Univ. Parma.* Rivista di Matematica della Università di Parma. (Parma)
- Riv. Nuovo Cimento.* Rivista del Nuovo Cimento. (Bologna)
- Rīzsk. Inst. Inž. Graždan. Aviacij.* Rīzskā Institut Inženierov Graždanokā Aviacij imeni Leninskogo Komsomola. (Riga)
- Rjazzansk. Gos. Ped. Inst. Učen. Zap.* Rjazzanskā Gosudarstvennā Pedagogiskā Institut. Učēnyo Zapiski. (Ryazan)
- Rostov-na-Donu Gos. Ped. Inst. Fiz.-Mat. Fak. Učen. Zap.* Rostovskā-na-Donu Gosudarstvennā Pedagogiskā Institut. Fiziko-Matematiskā Fakul'tet. Učēnyo Zapiski. (Rostov-on-Don)
- Rostov-na-Donu Gos. Univ. Učen. Zap.* Rostovskā-na-Donu Gosudarstvennā Universitet. Učēnyo Zapiski. (Ordzhonikidze)
- Rozprawy Československé Akad. Věd. Řada Mat. Přírod. Věd.* Rozprawy Československé Akademie Věd. Řada Matematických a Přírodních Věd. (Prague)
- Rozprawy Elektrotech.* Polska Akademia Nauk. Instytut Technologii Elektronowej. Rozprawy Elektrotechniczne. (Warsaw)
- Rozprawy Inst. Polska Akademia Nauk. Instytut Podstawowych Problemów Techniki.* Rozprawy Inżynierskie. (Warsaw)
- **Rozprawy Politech. Poznań.* Politechnika Poznańska. Rozprawy. (Poznań)
- Russian Math. Surveys.* Russian Mathematical Surveys. (A translation of the survey articles and of selected biographical articles in *Uspehi Matematicheskikh Nauk*). (London) (Translation of *Uspehi Mat. Nauk*)
- RŽAvtomat. Telemekh. i Vychisl. Tehn.* Akademija Nauk SSSR. Institut Naučnoj Informacii. Referativnyj Žurnal. Avtomatika, Telemekhanika i Vychislitel'naja Tehnika. (Moscow)
- RŽFiz.* Akademija Nauk SSSR. Institut Naučnoj Informacii. Referativnyj Žurnal. Fizika. (Moscow)
- RŽKibernet.* Akademija Nauk SSSR. Institut Naučnoj Informacii. Referativnyj Žurnal. Kibernetika. (Moscow)
- RŽMat.* Akademija Nauk SSSR. Institut Naučnoj Informacii. Referativnyj Žurnal. Matematika. (Moscow)
- RŽMek.* Akademija Nauk SSSR. Institut Naučnoj Informacii. Referativnyj Žurnal. Mekhanika. (Moscow)
- Sakharth. SSR Mecn. Akad. Gamotsh. Centr. Šrom.* Sakharthvelos SSR Meonierebatha Akademii Gamotshvli Centris Šromebi. (Tbilisi) (Formerly listed as: *Trudy Vychisl. Centra Akad. Nauk Gruzin. SSR*)
- Sakharth. SSR Mecn. Akad. Math. Inst. Šrom.* Sakharthvelos SSR Meonierebatha Akademii A. Razmadzis Sahelobis Tbilisis Matematikis Institutis. Šromebi. (Tbilisi) (Formerly listed as: *Akad. Nauk Gruzin. SSR Trudy Tbiliss. Mat. Inst. Razmadze*)
- Sakharth. SSR Mecn. Akad. Moambe.* Sakharthvelos SSR Meonierebatha Akademii Moambe. (Tbilisi) (Formerly listed as: *Soobšč. Akad. Nauk Gruzin. SSR*)
- Sankhyā Ser. A.* Sankhyā (Statistics). The Indian Journal of Statistics. Series A. (Calcutta)
- Sankhyā Ser. B.* Sankhyā (Statistics). The Indian Journal of Statistics. Series B. (Calcutta)
- Saratov. Gos. Ped. Inst. Učen. Zap.* Saratovskā Gosudarstvennā Pedagogiskā Institut. Učēnyo Zapiski. (Saratov)
- S.-B. Berlin. Math. Ges.* Sitzungsberichte der Berliner Mathematischen Gesellschaft. (Berlin)
- S.-B. Heidelberger Akad. Wiss. Math.-Natur. Kl.* Sitzungsberichte der Heidelberger Akademie der Wissenschaften. Mathematisch-Naturwissenschaftliche Klasse. (Heidelberg)
- S.-B. Sächs. Akad. Wiss. Leipzig Math.-Natur. Kl.* Sitzungsberichte der Sächsischen Akademie der Wissenschaften zu Leipzig. Mathematisch-naturwissenschaftliche Klasse. (Berlin)
- Sb. Prací Ped. Fak. v Ostravě Ser. A.* Sborník Prací Pedagogické Fakulty v Ostravě. Soria A. (Ostrava)
- Sb. Prací Vys. Školy Doprav. v Žilíně a Výzkum. Ústav. Doprav. v Praze* Sborník Prací Vysoké Školy Dopravní v Žilíně a Výzkumního Ústavu Dopravního v Praze. (Prague)
- Sb. Voj. Akad. (Brno).* Sborník Vojenské Akademie Antonína Zápotockého. (Brno)
- Sb. Vysoké. Učení Tech. Brno.* Sborník Vysokého Učení Technického v Brně. (Brno)
- Schr. Math. Inst. Univ. Münster.* Schriftenreihe des Mathematischen Instituts der Universität Münster. (Münster)
- Sci. Abstracts China Sect. Math. Phys. Sci.* Institute of Scientific and Technical Information of China. Science Abstracts of China. Mathematical and Physical Sciences. (Peking)
- Sci. Papers College Gen. Ed. Univ. Tokyo.* Scientific Papers of the College of General Education. University of Tokyo. (Tokyo)
- Sci. Rep. College Gen. Ed. Osaka Univ.* Science Reports. College of General Education. Osaka University. (Osaka)
- Sci. Rep. Fac. Ed. Gifu Univ. Natur. Sci.* Science Reports of the Faculty of Education. Gifu University. (Natural Science). (Gifu)
- Sci. Rep. Hiroaki Univ.* Science Reports of the Hiroaki University. (Hiroaki)
- Sci. Rep. Kagoshima Univ.* Science Reports of the Kagoshima University. (Kagoshima) (Continued as: *Rep. Fac. Sci. Kagoshima Univ.*)
- Sci. Rep. Kanazawa Univ.* The Science Reports of the Kanazawa University. (Kanazawa)
- Sci. Rep. Niigata Univ. Ser. A.* Science Reports of Niigata University. Series A (Mathematics). (Niigata)
- Sci. Rep. Res. Inst. Theoret. Phys. Hiroshima Univ.* Scientific Reports of the Research Institute for Theoretical Physics, Hiroshima University. (Hiroshima)
- Sci. Rep. Saitama Univ. Ser. A.* The Science Reports of the Saitama University. Series A. Mathematics, Physics and Chemistry. (Urawa)
- Sci. Rep. Tokyo Kyoiku Daigaku Sect. A.* Science Reports of the Tokyo Kyoiku Daigaku (Tokyo University of Education). Section A. (Tokyo)
- Sci. Rep. Yokohama Nat. Univ. Sect. I.* Science Reports of the Yokohama National University. Section I. Mathematics, Physics. (Yokohama)
- Sci. Sinica.* Scientia Sinica. (Peking)
- Scientia (Valparaiso).* Universidad Técnica Federico Santa María. Scientia. (Valparaiso)
- Scripta Math.* Scripta Mathematica. A Quarterly Journal Devoted to the Philosophy, History, and Expository Treatment of Mathematics. (New York)
- **Sem. Inst. Prikl. Mat. Annotac. Doklady.* (Tbilisi) See Gamogoneb. Math. Inst. Sem. Mošsen. Anotacie.
- Sem. Math. V. A. Steklov Math. Inst. Leningrad.* Seminars in Mathematics V. A. Steklov Mathematical Institute Leningrad. (New York) (Translation of *Zap. Naučn. Sem. Leningrad. Otdel. Mat. Inst. Steklov. (LOMI)*)
- **Semigroup Forum.* Semigroup Forum. (New York)
- Shengzue Xuebao.* See *Acta Acust. Sinica*.
- Shuxue Jinzhan.* Chinese Mathematical Society. Academia Sinica. Shuxue Jinzhan (Progress in Mathematics). (Peking)
- SIAM J. Appl. Math.* SIAM Journal on Applied Mathematics. (Philadelphia, Pa.)
- SIAM J. Control.* SIAM Journal on Control. (Philadelphia, Pa.)
- **SIAM J. Math. Anal.* SIAM Journal on Mathematical Analysis. (Philadelphia, Pa.)
- SIAM J. Numer. Anal.* SIAM Journal on Numerical Analysis. (Philadelphia, Pa.)
- SIAM Rev.* SIAM Review. A Publication of the Society for Industrial and Applied Mathematics. (Philadelphia, Pa.)

ABBREVIATIONS OF NAMES OF JOURNALS

- Siberian Math. J.* Siberian Mathematical Journal. (New York) (Translation of *Sibirsk. Mat. Ž.*)
- Sibirsk. Mat. Ž.* Akademija Nauk SSSR. Sibirskoe Otdelenie. Sibirskii Matematicheskii Zhurnal. (Moscow) (Translated as: *Siberian Math. J.*)
- Simon Stevin.* Simon Stevin. Wis- en Natuurkundig Tijdschrift. (Groningen-Djakarta)
- Skand. Aktuarietidekr.* Skandinavisk Aktuarietidskrift. (Uppsala)
- **Skr. Norske Vid.-Akad. Oslo I.* Skrifter Utgitt av det Norske Videnskaps-Akademi i Oslo. I. Mat.-Naturv. Klasse. (Oslo)
- Smolensk. Gos. Ped. Inst. Učen. Zap.* Smolenskii Gosudarstvennyi Pedagogičeskii Institut. Učenyje Zapiski. (Smolensk)
- Soc. Actuar. Trans.* Society of Actuaries. Transactions. (Chicago, Ill.)
- Soc. Parana. Mat. Anuário.* Anuário da Sociedade Paranaense de Matemática. (Curitiba)
- Soc. Sci. Fenn. Comment. Phys.-Math.* Societas Scientiarum Fennica. Commentationes Physico-Mathematicae. (Helsinki)
- Soobšč. Akad. Nauk Gruzin. SSR.* Soobščeniia Akademii Nauk Gruzinskoi SSR. (Tbilisi) See *Sakharth. SSR Mecn. Akad. Moambe.*
- Soobšč. Vyšiel. Mat. Akademija Nauk SSSR.* Vyšielitel'nyi Centr. Soobščeniia po Vyšielitel'noi Matematike. (Moscow)
- **South African Statist. J.* South African Statistical Journal. (Cape Town)
- Soviet Appl. Mech.* Soviet Applied Mechanics. (New York) (Translation of *Prikladna. Meh.*)
- Soviet Astronom. AJ.* Soviet Astronomy. AJ. (A translation of *Astronomičeskii Zhurnal*, the astronomical journal of the Academy of Sciences of the USSR.) (New York) (Translation of *Astronom. Ž.*)
- Soviet J. Nuclear Phys.* American Institute of Physics. Soviet Journal of Nuclear Physics. (New York) (Translation of *Jadernaja Fiz.*)
- Soviet Math. Dokl.* Soviet Mathematics. Doklady. (A translation of the mathematics section of *Doklady Akademii Nauk SSSR*). (Providence, R.I.) (Translation of mathematics section of *Dokl. Akad. Nauk SSSR*)
- Soviet Physics Acoust.* Soviet Physics. Acoustics. (A translation of *Akustičeskii Zhurnal* of the Academy of Sciences of the USSR). (New York) (Translation of *Akust. Ž.*)
- Soviet Physics Dokl.* Soviet Physics. Doklady. (A translation of the physics sections of *Doklady Akademii Nauk SSSR*). (New York) (Translation of physics sections of *Dokl. Akad. Nauk SSSR*)
- Soviet Physics J.* Soviet Physics Journal. (New York) (Translation of *Izv. Vysš. Učebn. Zaved. Fizika*)
- Soviet Physics JETP.* Soviet Physics. JETP. (A translation of *Ž. Eksperimental'noi i Teoretičeskoj Fiziki* of the USSR). (New York) (Translation of *Ž. Eksper. Teor. Fiz.*)
- Soviet Radiophys.* Soviet Radiophysics. (A translation of the *Izvestija Vysših Učebnyh Zavedenij Radiofizika* of the Ministry of Higher Education of the USSR). (New York) (Translation of *Izv. Vysš. Učebn. Zaved. Radiofizika*) (Continued as: *Radiophys. and Quantum Electronics*)
- Spisy Ped. Fak. v Ostravě.* Spisy Pedagogické Fakulty v Ostravě. (Ostrava)
- Spisy Přírod. Fak. Univ. Brno.* Spisy Přírodovědecké Fakulty University v Brně. Trudy Estestvenno-Istorického Fakul'teta Universiteta v g. Brno. Publications de la Faculté des Sciences de l'Université à Brno. (Brno)
- **Statist. Izv. N R B'lgarija.* D'rjavno Upravlenie za Informacija pri Ministerstvijska B'vet. Statističeski Izvestija. (Sofia)
- Statist. Theory Method Abstracts.* Statistical Theory and Method Abstracts. (London) (Usually abbreviated as *STMA* in the text of *Math. Reviews*)
- Statistica (Bologna).* Statistica. (Bologna)
- Statistica Neerlandica.* Statistica Neerlandica. Organ van de Vereniging voor Statistiek. (The Hague)
- **Statistika (Sofia).* D'rjavno Upravlenie za Informacija pri Ministerstvijska B'vet. (Sofia)
- STMA.* Statistical Theory and Method Abstracts. (London)
- Stroje na Zpracování Informací.* Československá Akademie Věd. Výzkumný Ústav Matematických Strojů. Research Institute of Mathematical Machines. Issledovatel'skii Institut Matematičeskikh Mašin. Stroje na Zpracování Informací. (Prague)
- Stud. Cerc. Econom.* Studii și Cercetări Economice. (Bucharest)
- Stud. Cerc. Mat.* Studii și Cercetări Matematice. (Bucharest)
- Stud. Cerc. Mec. Apl.* Studii și Cercetări de Mecanică Aplicată. (Bucharest)
- Studia Logica.* Polska Akademia Nauk. Komitet Filozoficzny. Studia Logica. (Warsaw)
- Studia Math.* Polska Akademia Nauk. Studia Mathematica. (Warsaw)
- Studia Sci. Math. Hungar.* Consilium Institutii Mathematici Academiae Scientiarum Hungaricae. Studia Scientiarum Mathematicarum Hungaricae. (Budapest)
- **Studia Univ. Babeş-Bolyai Ser. Math.-Mech.* Studia Universitatis Babeş-Bolyai. Series Mathematica-Mechanica. (Cluj) (Formerly: *Studia Univ. Babeş-Bolyai Ser. Math.-Phys.*)
- Studia Univ. Babeş-Bolyai Ser. Math.-Phys.* Studia Universitatis Babeş-Bolyai. Series Mathematica-Physica. (Cluj) (Continued as: *Studia Univ. Babeş-Bolyai Ser. Math.-Mech.* and *Studia Univ. Babeş-Bolyai Ser. Phys.*)
- **Studia Univ. Babeş-Bolyai Ser. Phys.* Studia Universitatis Babeş-Bolyai. Series Physica. (Cluj) (Formerly: *Studia Univ. Babeş-Bolyai Ser. Math.-Phys.*)
- Studies in Appl. Math.* Studies in Applied Mathematics. (Cambridge, Mass.) (Formerly: *J. Math. and Phys.*)
- Sudhoffs Arch.* Sudhoffs Archiv für Geschichte der Medizin und der Naturwissenschaften. (Wiesbaden)
- Sūgaku.* Mathematical Society of Japan. Sūgaku (Mathematics). (Tokyo)
- **Sūgakushi Kenkyū.* History of Mathematics Society of Japan. Sūgakushi Kenkyū (Journal of History of Mathematics of Japan). (Tokyo)
- Su-hak kwa Mul-li.* Academy of Science of the People's Democratic Republic of Korea. Research Center for Physics and Mathematics. Su-hak kwa Mul-li (Mathematics and Physics). (Pyongyang)
- Sverdlovsk. Gos. Ped. Inst. Učen. Zap.* Sverdlovskii Gosudarstvennyi Pedagogičeskii Institut. Učenyje Zapiski. (Sverdlovsk)
- **Synthese.* Synthese. An International Journal for Epistemology, Methodology and Philosophy of Science. (Dordrecht)
- Systems Theory Res.* Systems Theory Research. (New York) (Translation of *Problemy Kibernet.*)
- Sigma—Mat.-Közgazdasági Polyóirat.* Sigma. Matematikai-Közgazdasági Polyóirat. (Budapest)
- Tadžik. Gos. Univ. Učen. Zap.* Tadžikakii Gosudarstvennyi Universitet im. V. I. Lenina. Učenyje Zapiski. Trudy Fiziko-Matematicheskogo Fakul'teta. Serija Matematicheskaja. (Dushanbe)
- Tadžik. S.-h. Inst. Trudy.* Tadžikakii Sel'kohozjajstvennyi Institut i Tadžikakii Gosudarstvennyi Universitet. Trudy. (Dushanbe)
- Tallin. Politehn. Inst. Toimetised Ser. A.* Tallinna Politehnilise Instituudi Toimetised Seria A. (Tallin)
- Tamkang J.* Tamkang Journal. (Taipei)
- **Tamkang J. Math.* Tamkang Journal of Mathematics. (Taipei)
- **Tệp San Toán-lý.* Ban Toán-lý. Ủy Ban Khoa Học Và Kỹ Thuật Nhà Nước. (Hanoi)
- Tartu Riikl. Ül. Toimetised.* Tartu Riikliku Ülikooli Toimetised. Učenyje Zapiski Tartuskogo Gosudarstvennogo Universiteta. Matemastika-Loodusteaduskonna Töid. Trudy Estestvenno-Matematicheskogo Fakul'teta. (Tartu)
- Taškent. Gos. Ped. Inst. Učen. Zap.* Ministerstvo Prosveščenija Uzbekskoi SSR. Taškentskii Gosudarstvennyi Pedagogičeskii Institut im. Nizami. Učenyje Zapiski. (Taškent)

ABBREVIATIONS OF NAMES OF JOURNALS

- Tashkent. Gos. Univ. Naučn. Trudy.* Tashkentskii Gosudarstvennyi Universitet. Naučnye Trudy. (Tashkent)
- Tashkent. Politehn. Inst. Naučn. Trudy.* Ministerstvo Vyshego i Srednego Special'nogo Obrazovaniya. Tashkentskii Politehnicheskii Institut. Naučnye Trudy. Novaya Seriya. (Tashkent)
- Tashkent. Tekstil. Inst. Kaf. Vysl. Mat. Sb. Naučn.-Issled. Rabot Ser. Mat.* Tashkentskii Tekstil'nyi Institut. Kafedra Vyshego Matematiki. Sbornik Naučno-Issledovatel'skikh Rabot. Seriya Matematiki. (Tashkent)
- Tbiliss. Gos. Univ. Inst. Prikl. Mat. Trudy.* (Tbilisi) See *Tbiliss. Sahelmp. Univ. Gamogeneb. Math. Inst. Šrom.*
- Tbiliss. Gos. Univ. Trudy Ser. Fiz. Nauk.* Tbilisskii Gosudarstvennyi Universitet. Trudy. Seriya Fizicheskikh Nauk. (Tbilisi) See *Tbiliss. Sahelmp. Univ. Šrom. Fiz. Mecn. Ser.*
- Tbiliss. Gos. Univ. Trudy Ser. Meh.-Mat. Nauk.* Tbilisskii Gosudarstvennyi Universitet. Trudy. Seriya Mehaniko-Matematicheskikh Nauk. (Tbilisi) See *Tbiliss. Sahelmp. Univ. Šrom. Mekh.-Math. Mecn. Ser.*
- Tech. Mitt. Krupp.* Technische Mitteilungen Krupp. (Essen)
- Tech. Rep. Engrg. Res. Inst. Kyoto Univ.* Technical Reports of the Engineering Research Institute. Kyoto University. (Kyoto)
- Tech. Rep. Osaka Univ.* Technology Reports of the Osaka University. (Osaka)
- **Technikgeschichte.* Technikgeschichte. Verein Deutscher Ingenieure. (Düsseldorf)
- Technometrics.* Technometrics. A Journal of Statistics for the Physical, Chemical and Engineering Sciences. (Princeton, N.J.)
- Tellus.* Svenska Geofysiska Föreningen. Tellus. A Quarterly Journal of Geophysics. (Uppsala)
- Tensor.* Tensor. New Series. The Tensor Society. (Tokyo)
- Teor. Funkcii Funkcional. Anal. i Prilozhen.* Har'kovskii Ordena Trudovogo Krasnogo Znameni Gosudarstvennyi Universitet imeni A. M. Gor'kogo. Teoriya Funkcii, Funkcional'nyi Analiz i ih Prilozheniya. (Kharkov)
- **Teor. Veroyatnost. i Mat. Statist.* Teoriya Veroyatnostei i Matematicheskaya Statistika. (Kiev)
- Teor. Veroyatnost. i Primenen.* Akademiya Nauk SSSR. Teoriya Veroyatnostei i ee Primeneniya. (Moscow) (Translated as: *Theor. Probability Appl.*)
- Teoret. Elektrotehn.* L'vovskii Gosudarstvennyi Universitet. Teoreticheskaya Elektrotehnika. (Lvov)
- Teoret. Prikl. Mat.* MVSSO URSR L'vivskii Ordena Lenina Derzhavnyi Universitet imeni Iv. Franka. Teoretichna i Prikladna Matematika. (Lvov)
- **TESLA Electronics.* TESLA Electronics. Quarterly Review of Czechoslovak Electronics and Telecommunications. (Prague)
- Thalès.* Thalès. Recueil Annuel des Travaux de l'Institut d'Histoire des Sciences et des Techniques de l'Université de Paris. (Paris)
- **Tbiliss. Sahelmp. Univ. Gamogeneb. Math. Inst. Šrom.* Tbilisskii Sahelmpo Universiteti Gamogenebithi Matematikis Institutis Šromebi. (Tbilisi) (Also listed as: *Tbiliss. Gos. Univ. Inst. Prikl. Mat. Trudy*)
- Tbiliss. Sahelmp. Univ. Šrom. Mekh.-Math. Mecn. Ser.* Tbilisskii Sahelmpo Universiteti. Šromebi. Mekhanika-Matematiki Mecnerebatha Seria. (Tbilisi) (Formerly listed as: *Tbiliss. Gos. Univ. Trudy Ser. Meh.-Mat. Nauk*)
- Tbiliss. Sahelmp. Univ. Šrom. Fiz. Mecn. Ser.* Tbilisskii Sahelmpo Universiteti. Šromebi. Fizika Mecnerebatha Seria. (Tbilisi) (Formerly listed as: *Tbiliss. Gos. Univ. Trudy Ser. Fiz. Nauk*)
- Theor. Probability Appl.* Theory of Probability and its Applications. (An English translation of the Soviet journal *Teoriya Veroyatnostei i ee Primeneniya*). (Philadelphia, Pa.) (Translation of *Teor. Veroyatnost. i Primenen.*)
- Theoria.* Theoria. A Swedish Journal of Philosophy. (Lund)
- Tiraspol. Gos. Ped. Inst. Učen. Zap.* Tiraspol'skii Gosudarstvennyi Pedagogicheskii Institut im. T. G. Ševchenko. Učeny Zapiski. (Kishinev)
- Tyumen. Gos. Ped. Inst. Učen. Zap.* Ministerstvo Prosvetsheniya RSFSR. Tyumenskii Gosudarstvennyi Pedagogicheskii Institut. Učeny Zapiski. (Tyumen)
- Tôhoku Math. J.* The Tôhoku Mathematical Journal. (Sendai)
- Tomsk. Gos. Univ. Učen. Zap.* Tomskii Gosudarstvennyi Universitet im. V. V. Kulbyševa. Učeny Zapiski. (Tomsk)
- Topology.* Topology. An International Journal of Mathematics. (Oxford)
- Trabajos Estadíst.* Trabajos de Estadística. (Madrid)
- Trans. Amer. Math. Soc.* Transactions of the American Mathematical Society. (Providence, R.I.)
- Trans. ASME Ser. E. J. Appl. Mech.* Transactions of the ASME. Series E. Journal of Applied Mechanics. (New York)
- Trans. Moscow Math. Soc.* Transactions of the Moscow Mathematical Society. (Providence, R.I.) (Translation of *Trudy Moskov. Mat. Obšč.*)
- Trans. New York Acad. Sci.* Transactions of the New York Academy of Sciences. (New York)
- Trans. Roy. Soc. Canada.* Transactions of the Royal Society of Canada. Chemical, Mathematical and Physical Sciences. (Ottawa)
- Trans. Roy. Soc. South Africa.* Transactions of the Royal Society of South Africa. (Cape Town)
- Transportation Sci.* Operations Research Society of America. Transportation Science Section. Transportation Science. (Baltimore, Md.)
- TRU Math.* TRU Mathematics. (Tokyo)
- Trudy Akad. Nauk Litov. SSR Ser. B.* Lietuvos TSR Mokslų Akademijos Darbai. Seriya B. Akademii Nauk Litovskoi SSR. Trudy. Seriya B. (Vilnius)
- Trudy Doneck. Politehn. Inst.* Trudy Doneckogo Politehnicheskogo Instituta. (Doneck)
- Trudy Fiz. Inst. Lebedev.* Akademiya Nauk SSSR. Trudy Fizicheskogo Instituta imeni P. N. Lebedeva. (Moscow) (Translated as: *Proc. (Trudy) P. N. Lebedev Phys. Inst.*)
- Trudy Geometr. Sem.* Akademiya Nauk SSSR. Institut Naučno Informacii. VINITI. Trudy Geometričeskogo Seminara. (Moscow)
- Trudy Inst. Istor. Estestvoznani. Tehn.* Akademiya Nauk SSSR. Trudy Instituta Istorii Estestvoznaniya i Tehniki. (Moscow)
- Trudy Inst. Teoret. Astronom.* Akademiya Nauk SSSR. Trudy Instituta Teoreticheskoi Astronomii. (Moscow)
- Trudy Irkutsk. Gos. Univ.* Trudy Irkutskogo Gosudarstvennogo Universiteta. (Irkutsk)
- Trudy Kazan. Aviacion. Inst.* Trudy Kazanskogo Aviacionnogo Instituta. Matematika i Mehanika. (Kazan)
- Trudy Kazan. S.-h. Inst.* Trudy Kazanskogo Sel'skokhozyajstvennogo Instituta. (Kazan)
- Trudy Leningrad. Tehn. Inst. Trudy Kafedr Meh. Fak.* Ministerstvo Vyshego Obrazovaniya SSSR. Trudy Leningradskogo Tehnologicheskogo Instituta imeni Lensovetu. Trudy Kafedr Mehanicheskogo Fakul'teta. (Leningrad)
- Trudy Mat. Inst. Steklov.* Akademiya Nauk Sojuzu Sovetskikh Socialisticheskikh Respublik. Trudy Matematicheskogo Instituta im. V. A. Steklova. (Moscow-Leningrad) (Translated as: *Proc. Steklov Inst. Math.*)
- Trudy Moskov. Mat. Obšč.* Trudy Moskovskogo Matematicheskogo Obščestva. (Moscow) (Translated as: *Trans. Moscow Math. Soc.*)
- Trudy Moskov. Orden. Lenin. Énerget. Inst.* Ministerstvo Vyshego i Srednego Special'nogo Obrazovaniya RSFSR. Trudy Moskovskogo Ordena Lenina Énergeticheskogo Instituta. (Moscow)
- Trudy Naučn. Ob'ed. Prepodav. Fiz.-Mat. Fak. Ped. Inst. Dal'n. Vostok.* Ministerstvo Prosvetsheniya RSFSR. Habarovskii Gosudarstvennyi Pedagogicheskii Institut. Trudy Naučnogo Ob'edineniya Prepodavatelei Fiziko-matematicheskikh Fakul'tetov Pedagogicheskikh Institutov Dal'nego Vostoka. (Khabarovsk)

- Trudy Samarhand. Gos. Univ. Mat.* Ministerstvo Vysshego i Srednego Special'nogo Obrazovaniya UzSSR. Trudy Samarhandakogo Gosudarstvennogo Universiteta im. A. Navoi. Matematika. (Samarhand)
- Trudy Saratov. Inst. Meh. S.-h.* Trudy Saratovskogo Instituta Mehani-zacii Sel'skogo Khozjastva. (Saratov)
- Trudy Sem. Kraev. Zadačam.* Trudy Seminara po Kraevym Zadačam. (Kazan') (Formerly: *Trudy Sem. Obratn. Kraev. Zadačam*)
- **Trudy Sem. Mat. Fiz. Nelinein. Koleban.* Akademiya Nauk Ukrain-skoj SSR. Institut Matematiki. Trudy Seminara po Matematičeskoj Fizike i Nelineinym Kolebanijam. (Kiev)
- Trudy Sem. Obratn. Kraev. Zadačam.* Trudy Seminara po Obratnym Kraevym Zadačam. (Kazan) (Continued as: *Trudy Sem. Kraev. Zadačam*)
- Trudy Sem. Teor. Differencial. Uravnenij s Otklon. Argumentom Univ. Družby Narodov Patria Lumumby.* Trudy Seminara po Teorii Differencial'nyh Uravnenij s Otklonjajušimsja Argumentom. Universitet Družby Narodov imeni Patria Lumumby. (Moscow)
- Trudy Sem. Vektor. Tenzor. Anal.* Trudy Seminara po Vektornomu i Tenzornomu Analizu s ih Priloženijami k Geometrii, Mehanike i Fizike. (Moscow)
- Trudy Sibirek. Fiz.-Tehn. Inst.* Trudy Sibirskogo Fiziko-Tekhnicheskogo Instituta imeni Akademika V. D. Kuznecova. (Tomsk)
- Trudy Tashkent. Gos. Univ.* Trudy Tashkentakogo Gosudarstvennogo Universiteta im. V. I. Lenina. Matematika. (Tashkent) See *Tashkent. Gos. Univ. Naučn. Trudy.*
- Trudy Tomsk. Gos. Univ. Ser. Meh.-Mat.* Trudy Tomskogo Gosudarstvennogo Universiteta im. V. V. Kulbyševa. Serija Mehaniko-Matematičeskaja. (Tomsk)
- Trudy Univ. Družby Narod.* Trudy Universiteta Družby Narodov imeni Patria Lumumby. (Moscow)
- Trudy Vsesojuz. Zaočn. Energet. Inst.* Trudy Vsesojuznogo Zaočnogo Energetičeskogo Instituta. (Moscow)
- Trudy Vyčisl. Centra Akad. Nauk Armjan. SSR i Erevan. Gos. Univ.* Trudy Vyčislitel'nogo Centra Akademii Nauk Armjanskoi SSR i Erevanskogo Gosudarstvennogo Universiteta. (Erevan)
- Trudy Vyčisl. Centra Akad. Nauk Gruzin. SSR.* Akademiya Nauk Gruzinskoi SSR. Trudy Vyčislitel'nogo Centra. (Tbilisi) See *Sakharth. SSR Mecn. Akad. Gamot'el. Centr. Šrom.*
- Trudy Vyčisl. Centra Tartu. Gos. Univ.* Trudy Vyčislitel'nogo Centra. Tartuakii Gosudarstvennyi Universitet. (Tartu)
- Turkmen. Gos. Univ. Učen. Zap.* Ministerstvo Narodnogo Obrazovaniya TSSR. Turkmenškii Gosudarstvennyi Universitet imeni A. M. Gor'kogo. Učenyje Zapiski. (Ashkhabad)
- U.S.S.R. Comput. Math. and Math. Phys.* U.S.S.R. Computational Mathematics and Mathematical Physics. (Oxford) (Translation of *Ž. Vyčisl. Mat. i Mat. Fiz.*)
- Überblicke Math.* Überblicke Mathematik. (Mannheim)
- Učen. Zap. Borisoglebsk. Gos. Ped. Inst.* Ministerstvo Prosvetšeniya RSFSR. Učenyje Zapiski. Borisoglebskogo Gosudarstvennogo Pedagogičeskogo Instituta. (Borisoglebsk)
- Učen. Zap. Karel. Ped. Inst. Ser. Fiz.-Mat. Nauk.* Ministerstvo Prosvetšeniya RSFSR. Karel'skii Pedagogičeskii Institut. Učenyje Zapiski. Serija Fiziko-Matematičeskikh Nauk. (Petrozavodsk)
- Ukrain. Fiz. Ž.* Akademiya Nauk Ukrain'skoj SSR. Viddil Fiziki. Ukrain'skii Fizičnij Žurnal. (Kiev) (Ukrainian edition)
- Ukrain. Fiz. Ž.* Akademiya Nauk Ukrain'skoj SSR. Otdelenie Fiziki. Ukrain'skii Fizičeskij Žurnal. (Kiev) (Russian edition)
- Ukrain. Geometr. Sb.* Ministerstvo Vysshego i Srednego Special'nogo Obrazovaniya USSR. Ukrain'skii Geometričeskij Sbornik. (Khar'kov)
- Ukrain. Mat. Ž.* Akademiya Nauk Ukrain'skoj SSR. Institut Matematiki. Ukrain'skii Matematičeskij Žurnal. (Kiev) (Translated as: *Ukrainian Math. J.*)
- Ukrainian Math. J.* Ukrainian Mathematical Journal. (Translation of *Ukrain. Mat. Ž.*) (New York)
- Ul'janovsk. Gos. Ped. Inst. Učen. Zap.* Ul'janovskii Gosudarstvennyi Pedagogičeskii Institut imeni I. N. Ul'janova. Učenyje Zapiski. (Saratov)
- Univ. Beograd. Publ. Elektrotehn. Fak. Ser. Mat. Fiz.* Univerzitet u Beogradu. Publikacije Elektrotehničkog Fakulteta. Serija Matematika i Fizika. (Belgrade)
- Univ. Beograd. Žb. Radova Građevin. Fak.* Univerzitet u Beogradu. Zbornik Radova Građevinskog Fakulteta u Beogradu. (Belgrade)
- Univ. Central Venezuela Bol. Fac. Ing.* Universidad Central de Venezuela. Boletín de la Facultad de Ingeniería. (Caracas)
- Univ. e Politec. Torino Rend. Sem. Mat.* Università e Politecnico di Torino. Rendiconti del Seminario Matematico (già "Conferenze di Fisica e di Matematica"). (Turin)
- Univ. Genova Pubbl. Ist. Mat.* Università di Genova Pubblicazioni dell'Istituto di Matematica. (Genova)
- **Univ. Habana.* Universidad de la Habana. (Havana)
- Univ. Lisboa Revista Fac. Ci. A.* Universidade de Lisboa. Revista da Faculdade de Ciências. 2.ª Série. A. Ciências Matemáticas. (Lisbon)
- Univ. Madrid Publ. Sec. Mat. Fac. Ci.* Universidad de Madrid. Publicaciones de la Sección de Matemática de la Facultad de Ciencias. (Madrid)
- Univ. Nac. Ingen. Inst. Mat. Puras Apl. Notas Mat.* Universidad Nacional de Ingeniería. Instituto de Matemáticas Puras y Aplicadas. Notas de Matemáticas. (Lima)
- Univ. Nac. La Plata Publ. Fac. Ci. Fisicomat. Serie Segunda Rev. (or Contrib.)* Universidad Nacional de La Plata. Publicaciones de la Facultad de Ciencias Fisicomatemáticas. Serie Segunda. Revista (or Contribuciones). (La Plata)
- Univ. Nac. La Plata Publ. Fac. Ci. Fisicomat. Serie Tercera Publ. Esp.* Universidad Nacional de La Plata. Publicaciones de la Facultad de Ciencias Fisicomatemáticas. Serie Tercera. Publicaciones Especiales. (La Plata)
- Univ. Nac. Tucumán Rev. Ser. A.* Universidad Nacional de Tucumán. Facultad de Ciencias Exactas y Tecnología. Revista. Serie A. Matemáticas y Física Teórica. (Tucumán)
- Univ. Repúb. Fac. Ingen. Agrimens. Montevideo Publ. Inst. Mat. Estadist.* Universidad de la República. Facultad de Ingeniería y Agrimensura. Montevideo-Uruguay. Publicaciones del Instituto de Matemática y Estadística. (Montevideo)
- Univ. Roorkee Res. J.* University of Roorkee. Research Journal. (Roorkee)
- Univ. Adama Mickiewicza w Poznań. Prace Wydz. Mat. Fiz. Chem. Ser. Mat.* Uniwersytet im. Adama Mickiewicza w Poznaniu. Prace Wydziału Matematyki, Fizyki i Chemii. Seria Matematyka. (Poznań)
- Unternehmensforschung.* Unternehmensforschung. Operations Research—Recherche Opérationnelle. (Würzburg)
- Ural. Gos. Univ. Mat. Zap.* Ministerstvo Vysshego i Srednego Special'nogo Obrazovaniya RSFSR. Ural'skii Gosudarstvennyi Universitet im. A. M. Gor'kogo. Ural'skoe Matematičeskoe Obščestvo. Matematičeskie Zapiski. (Sverdlovsk)
- Ural. Politehn. Inst. Sb.* Ministerstvo Prosvetšeniya RSFSR. Ural'skii Politehničeskii Institut im. S. M. Kirova. Sbornik. (Sverdlovsk)
- Uspehi Mat. Nauk.* Akademiya Nauk SSSR i Moskovskoe Matematičeskoe Obščestvo. Uspehi Matematičeskikh Nauk. (Moscow-Leningrad) (Selected articles translated as: *Russian Math. Surveys*)
- Užgorod. Gos. Univ. Naučn. Zap.* MVO USSR. Užgorodskii Gosudarstvennyi Universitet. Naučnyje Zapiski. (Lvov)
- V. I. Lenin. Sakharth. Politikh. Inst. Šrom.* V. I. Leninis Sabelobis Šromis Citheli Drošis Ordenosani Sakharthvelos Politelkhniki Instituti. Šromebi. (Tbilisi) (Formerly listed as: *Gruzian. Politehn. Inst. Trudy*)

ABBREVIATIONS OF NAMES OF JOURNALS

- *Verh. Konink. Vlaamse Acad. Wetensch. Lett. Schone Kunst. België KI. Wetensch. Verhandlungen van de Koninklijke Vlaamse Academie voor Wetenschappen, Letteren en Schone Kunsten van België. Klasse der Wetenschappen. (Brussels)
- Vesci Akad. Navuk BSSR Ser. Fiz.-Mat. Navuk. Vesci Akademii Navuk BSSR. Seriya Fizika-matematicheskikh Navuk. (Minsk)
- Vestnik Akad. Nauk Kazah. SSR. Vestnik Akademii Nauk Kazakhskoi SSR. (Alma-Ata)
- Vestnik Har'kov. Gos. Univ. Ministerstvo Vysshego i Srednego Special'nogo Obrazovaniya USSR. Vestnik Har'kovskogo Gosudarstvennogo Universiteta. Seriya Mekhaniko-Matematicheskaya. Zapiski Mekhaniko-Matematicheskogo Fakulteta i Har'kovskogo Matematicheskogo Obshchestva. (Kharkov)
- Vestnik Leningrad. Univ. Vestnik Leningradskogo Universiteta. (Leningrad)
- Vestnik Lvov. Politehn. Inst. Ministerstvo Vysshego i Srednego Special'nogo Obrazovaniya USSR. Vestnik Lvovskogo Politehnicheskogo Instituta. (Lvov) (Continued as: *Visnik L'viv. Politehn. Inst.*)
- Vestnik Moskov. Univ. Ser. I Mat. Meh. Vestnik Moskovskogo Universiteta. Seriya I. Matematika, Mekhanika. (Moscow)
- Vestnik Moskov. Univ. Ser. III Fiz. Astronom. Vestnik Moskovskogo Universiteta. Seriya III. Fizika, Astronomiya. (Moscow) (Translated as: *Moscow Univ. Phys. Bull.*)
- Vidya. Vidya (Knowledge). The Journal of the Gujarat University. (Ahmedabad)
- Vierteljahr. Naturforsch. Ges. Zürich. Vierteljahrsschrift der Naturforschenden Gesellschaft in Zürich. (Zürich)
- Viet Nam Dân Chủ Cộng Hòa Ủy Ban Khoa Học Nhà Nước. See *Acta Sci. Vietnam.*
- Vijnana Parishad Anusandhan Patrika. Vijnana Parishad Anusandhan Patrika [The Research Journal of the Hindi Science Academy]. (Allahabad)
- Visnik K'iev. Univ. Visnik K'iv's'kogo Universitetu. (Kiev)
- Visnik L'viv. Derz. Univ. Ser. Meh.-Mat. Ministerstvo Viskoi i Srednoi Special'noi Osviti URSR. Visnik L'viv's'kogo Ordena Lenina Derzavnnogo Universitetu im. Ivana Franka. Seriya Mekhaniko-Matematichna. (Lvov)
- *Visnik L'viv. Politehn. Inst. Visnik L'viv's'kogo Politehnicheskogo Instituta. (Lvov) (Formerly: *Vestnik L'viv. Politehn. Inst.*)
- Vologod. Gos. Ped. Inst. Uchen. Zap. Vologodskii Gosudarstvennyi Pedagogicheskii Institut. Uchenye Zapiski. (Vologda) (May also appear as: *Vologod. i Cherepovec. Gos. Ped. Inst. Uchen. Zap.*)
- Vologod. i Cherepovec. Gos. Ped. Inst. Uchen. Zap. Vologodskii Gosudarstvennyi Pedagogicheskii Institut. Cherepoveckii Gosudarstvennyi Pedagogicheskii Institut. Uchenye Zapiski. (Vologda) (May also appear as: *Vologod. Gos. Ped. Inst. Uchen. Zap.*)
- Volz. Mat. Sb. Ministerstvo Prosvetsheniya RSFSR. Kuibyshevskii Gosudarstvennyi Pedagogicheskii Institut imeni V. V. Kuibysheva. Volzskii Matematicheskii Sbornik. (Kuibyshev)
- Voprosy Istor. Estestvoznaniya i Tehn. Akademiya Nauk SSSR. Voprosy Istorii Estestvoznaniya i Tekhniki. (Moscow)
- Voprosy Kibernet. Vytsil. Mat. Akademiya Nauk Uzbekskoi SSR. Institut Kibernetiki i Vytsilitel'nym Centrom. Voprosy Kibernetiki i Vytsilitel'noi Matematiki. (Tashkent)
- Voprosy Kosmog. Akademiya Nauk SSSR. Voprosy Kosmogonii. (Moscow)
- Voronezh. Gos. Univ. Trudy Sem. Funktsional. Anal. Ministerstvo Vysshego Obrazovaniya SSSR. Voronezhskii Gosudarstvennyi Universitet. Trudy Seminara po Funktsional'nomu Analizu. (Voronezh)
- Voronezh. Tehn. Inst. Trudy. Voronezhskii Tekhnologicheskii Institut. Trudy. (Voronezh)
- Vytsil. Prikl. Mat. (Kiev). Kievskii Gosudarstvennyi Universitet. Mezhvedomstvennyi Nauchnyi Sbornik. Vytsilitel'naya i Prikladnaya Matematika. (Kiev)
- Vytsil. Sistemy. Akademiya Nauk SSSR. Sibirskoe Otdelenie. Institut Matematiki. Vytsilitel'nye Sistemy. Sbornik Trudov. (Novosibirsk)
- Vytsil. Tehn. Voprosy Program. Leningradskii Ordena Lenina Gosudarstvennyi Universitet imeni A. A. Zdanova. Kafedra Vytsilitel'noi Matematiki i Vytsilitel'nyi Centr. Vytsilitel'naya Tekhnika i Voprosy Programirovaniya. (Leningrad)
- Wiadom. Mat. Roczniki Polskiego Towarzystwa Matematycznego. Ser. II. Wiadomości Matematyczne. (Warsaw)
- Wiss. Beiträge Martin-Luther-Univ. Halle-Wittenberg. Wissenschaftliche Beiträge der Martin-Luther-Universität Halle-Wittenberg. (Halle-Wittenberg)
- Wiss. Z. Ernst-Moritz-Arndt-Univ. Greifswald Math.-Natur. Reihe. Wissenschaftliche Zeitschrift der Ernst-Moritz-Arndt-Universität Greifswald. Mathematisch-Naturwissenschaftliche Reihe. (Greifswald)
- Wiss. Z. Friedrich-Schiller-Univ. Jena/Thüringen. Wissenschaftliche Zeitschrift der Friedrich-Schiller-Universität Jena/Thüringen. (Jena/Thüringen)
- Wiss. Z. Hochsch. Verkehrswesen "Friedrich List" Dresden. Wissenschaftliche Zeitschrift der Hochschule für Verkehrswesen "Friedrich List" in Dresden. Die Anwendung mathematischer Methoden im Transport- und Nachrichtenwesen. (Dresden)
- Wiss. Z. Humboldt-Univ. Berlin Math.-Natur. Reihe. Wissenschaftliche Zeitschrift der Humboldt-Universität Berlin. Mathematisch-Naturwissenschaftliche Reihe. (Berlin)
- Wiss. Z. Karl-Marx-Univ. Leipzig Math.-Natur. Reihe. Wissenschaftliche Zeitschrift der Karl-Marx-Universität Leipzig. Mathematisch-Naturwissenschaftliche Reihe. (Leipzig)
- Wiss. Z. Martin-Luther-Univ. Halle-Wittenberg Math.-Natur. Reihe. Wissenschaftliche Zeitschrift der Martin-Luther-Universität Halle-Wittenberg. Mathematisch-Naturwissenschaftliche Reihe. (Halle-Wittenberg)
- Wiss. Z. Pädagog. Hochschule Potsdam Math.-Natur. Reihe. Wissenschaftliche Zeitschrift der Pädagogischen Hochschule Potsdam. Mathematisch-Naturwissenschaftliche Reihe. (Potsdam)
- Wiss. Z. Techn. Hochschule Chem. Leuna-Merseburg. Wissenschaftliche Zeitschrift der Technischen Hochschule für Chemie Leuna-Merseburg. (Leuna-Merseburg)
- Wiss. Z. Techn. Hochschule Ilmenau. Wissenschaftliche Zeitschrift der Technischen Hochschule Ilmenau. (Ilmenau)
- Wiss. Z. Techn. Hochschule Karl-Marx-Stadt. Wissenschaftliche Zeitschrift der Technischen Hochschule Karl-Marx-Stadt. (Karl-Marx-Stadt)
- Wiss. Z. Techn. Univ. Dresden. Wissenschaftliche Zeitschrift der Technischen Universität Dresden. (Dresden)
- Wyższ. Szkoła Ped. Krakow. Rocznik Nauk.-Dydakt. Prace Mat. Wyższa Szkoła Pedagogiczna w Krakowie. Rocznik Naukowo-Dydaktyczny. Prace Matematyczne. (Kraków)
- *WZE Wiss. Z. Elektrotech. WZE Wissenschaftliche Zeitschrift der Elektrotechnik. (Leipzig)
- Yokohama Math. J. Yokohama Mathematical Journal. (Yokohama)
- Z. Angew. Math. Mech. Zeitschrift für Angewandte Mathematik und Mechanik. Ingenieurwissenschaftliche Forschungsarbeiten. (Berlin)
- Z. Angew. Math. Phys. Zeitschrift für Angewandte Mathematik und Physik. ZAMP. Journal of Applied Mathematics and Physics. Journal de Mathématiques et de Physiques Appliquées. (Basel)
- Z. Astrophys. Zeitschrift für Astrophysik. (Berlin) (Continued as: *Astronom. and Astrophys.*)
- Z. Eksp. Teoret. Fiz. Akademiya Nauk SSSR. Zhurnal Eksperimental'noi i Teoreticheskoi Fiziki. (Moscow) (Translated as: *Soviet Physics JETP*)
- Z. Math. Logik Grundlagen Math. Zeitschrift für Mathematische Logik und Grundlagen der Mathematik. (Berlin)
- Z. Naturforsch. Zeitschrift für Naturforschung. (Tübingen)
- Z. Phonetik Sprachwiss. Kommunikat. Zeitschrift für Phonetik Sprachwissenschaft und Kommunikationsforschung. (Berlin)
- Z. Physik. Zeitschrift für Physik. (Berlin)

ABBREVIATIONS OF NAMES OF JOURNALS

- Ž. Prikl. Meh. i Tehn. Fiz.* *Žurnal Prikladnoi Mehaniki i Tehničeskoj Fiziki.* (Moscow) (Translated as: *J. Appl. Mech. Tech. Phys.*)
- Ž. Vychisl. Mat. i Mat. Fiz.* *Akademija Nauk SSSR. Žurnal Vychislitel'noj Matematiki i Matematičeskoj Fiziki.* (Moscow) (Translated as: *U.S.S.R. Comput. Math. and Math. Phys.*)
- Z. Wahrscheinlichkeitstheorie und Verw. Gebiete.* *Zeitschrift für Wahrscheinlichkeitstheorie und Verwandte Gebiete.* (Berlin)
- Zap. Meh.-Mat. Fak. i Har'kov. Mat. Obšč.* See *Vestnik Har'kov. Gos. Univ.*
- Zap. Naučn. Sem. Leningrad. Otdel. Mat. Inst. Steklov. (LOMI).* *Zapiski Naučnyh Seminarov Leningradskogo Otdelenija Matematičeskogo Instituta im. V. A. Steklova Akademii Nauk SSSR (LOMI).* (Moscow) (Translated as: *Sem. Math. V. A. Steklov Math. Inst. Leningrad*)
- Zastos. Mat. Polska Akademia Nauk. Instytut Matematyczny.* *Zastosowania Matematyki.* (Warsaw)
- Zbl. Zentralblatt für Mathematik und ihre Grenzgebiete.* (Berlin)
- Zbl. Math. Zentralblatt für Mathematik und ihre Grenzgebiete* (Berlin-Göttingen-Heidelberg) (Usually abbreviated *Zbl* in the text of *Math. Reviews*)
- **Zeszyty Nauk. Akad. Gór.-Hutniczej.* *Zeszyty Naukowe Akademii Górniczo-Hutniczej.* (Kraków)
- Zeszyty Nauk. Mat. Fiz. i Chem. Wyt. Szkol. Ped. Gdańsk.* *Zeszyty Naukowe Matematyka Fizyka i Chemia. Wyższa Szkoła Pedagogiczna w Gdańsku. Wydział Matematyki, Fizyki i Chemii.* (Gdańsk)

- Zeszyty Nauk. Politech. Poznań.* *Zeszyty Naukowe Politechniki Poznańskiej.* (Poznań)
- **Zeszyty Nauk. Politech. Śląska Mat.-Fiz.* *Politechnika Śląska. Zeszyty Naukowe. Matematyka-Fizyka.* (Gliwice)
- Zeszyty Nauk. Politech. Szczeciń.* *Zeszyty Naukowe Politechniki Szczecińskiej.* (Szczecin)
- Zeszyty Nauk. Politech. Warszawsk. Mat.* *Politechnika Warszawska. Instytut Matematyki. Zeszyty Naukowe. Matematyka i jej Zastosowanie.* (Warsaw) (Continued as: *Demonstratio Math.*)
- Zeszyty Nauk. Univ. Jagiello. Prace Fiz.* *Zeszyty Naukowe Uniwersytetu Jagiellońskiego. Prace Fizyczne.* (Kraków)
- Zeszyty Nauk. Univ. Jagiello. Prace Mat.* *Zeszyty Naukowe Uniwersytetu Jagiellońskiego. Prace Matematyczne. (Matematyka, Fizyka, Chemia)* (Kraków)
- Zeszyty Nauk. Univ. Jagiello. Prace z Logiki.* *Zeszyty Naukowe Uniwersytetu Jagiellońskiego. Prace z Logiki.* (Kraków)
- Zeszyty Nauk. Univ. Łódzk. Nauki Mat. Przyrod. Ser. II.* *Zeszyty Naukowe Uniwersytetu Łódzkiego. Nauki Matematyczno-Przyrodnicze. Seria II.* (Łódź)
- Zeszyty Nauk. Wyt. Szkol. Ped. Opol.* *Zeszyty Naukowe Wyższej Szkoły Pedagogicznej w Opolu.* (Opole)
- Zhongguo Kexue Jishu Daxue Xuebao.* (Peking) See *J. China Univ. Sci. Techn.*

Acta Mech. (Transl.)

**Algebra of Algebras*

Astrophys. Acaden-
lation

Automat.
transla-
Acaden-
of Astro-

Chinese
(A trans-
Scienc-

Chinese
Math-
Math.

Cybernet.
(Kiev)

Different-
lation

Electron.
Engin-
lation
Comm-
Denki-

Engng.
Tehni-
Nauk

Function-
(New)

Izv. Acad.
Scienc-
(D.C.)
Okean-

Izv. Acad.
Scienc-
(Trans-)

J. Appl.
(Trans-
Mecha-

J. Appl.
nical
York

Magnet-
Magn-
SSR)

Math.
USSR

Math.
(R.I.)

Math.
(R.I.)

**Mosco*
(New
Astro-

Problem-
lation

Problem-
Trans-
Info-

Proc.
Mat-
Stek-

JOURNALS IN TRANSLATION

- Acta Mech. Sinica* (New York). *Acta Mechanica Sinica*. (New York) (Translation of *Acta Mech. Sinica* (Peking))
- **Algebra and Logic*. *Algebra and Logic*. (New York) (Translation of *Algebra i Logika*)
- Astrophysics*. *Astrophysics*. (A translation of *Astrofizika* of the Academy of Sciences of the Armenian SSR). (New York) (Translation of *Astrofizika*)
- Automat. Remote Control*. *Automation and Remote Control*. (A translation of *Avtomatika i Telemekhanika*, a publication of the Academy of Sciences of the USSR). (Pittsburgh, Pa.) (Translation of *Avtomat. i Telemekh.*)
- Chinese J. Phys. (Peking)* *Chinese Journal of Physics* (Peking). (A translation of *Acta Physica Sinica* of the Chinese Academy of Sciences, Peking). (New York) (Translation of *Acta Phys. Sinica*)
- Chinese Math.—Acta*. *Chinese Mathematics*. Translation of *Acta Mathematica Sinica*. (Providence, R.I.) (Translation of *Acta Math. Sinica*)
- Cybernetics*. *Cybernetics*. (New York) (A translation of *Kibernetika* (Kiev))
- Differential Equations*. *Differential Equations*. (New York) (Translation of *Differentsial'nye Uravneniya*)
- Electron. Commun. Japan*. *Institute of Electrical and Electronics Engineers. Electronics and Communications in Japan*. (A translation of *Denki Tsushin Gakkai Zasshi* of the Institute of Electrical Communication Engineers of Japan). (New York) (Translation of *Denki Tsushin Gakkai Zasshi*)
- Engng. Cybernetics*. *Engineering Cybernetics*. English Edition of *Tekhnicheskaya Kibernetika*. (New York) (Translation of *Izv. Akad. Nauk SSSR Tehn. Kibernet.*)
- Functional Anal. Appl.* *Functional Analysis and its Applications*. (New York) (Translation of *Funktsional. Anal. i Prilozhen.*)
- Izv. Acad. Sci. USSR Atmospher. Ocean. Phys.* *Izvestiya Academy of Sciences USSR. Atmospheric and Oceanic Physics*. (Washington, D.C.) (Translation of *Izv. Akad. Nauk SSSR Ser. Fiz. Atmosf. i Okeana*)
- Izv. Acad. Sci. USSR Phys. Solid Earth*. *Izvestiya Academy of Sciences USSR. Physics of the Solid Earth*. (Washington, D.C.) (Translation of *Izv. Akad. Nauk SSSR Ser. Fiz. Zemli*)
- J. Appl. Math. Mech.* *Journal of Applied Mathematics and Mechanics*. (Translation of the Soviet journal *Prikladnaya Matematika i Mekhanika*). (New York) (Translation of *Prikl. Mat. Meh.*)
- J. Appl. Mech. Tech. Phys.* *Journal of Applied Mechanics and Technical Physics*. (Translation of *Z. Prikl. Meh. i Tehn. Fiz.*) (New York)
- Magnetohydrodynamics*. *Magnetohydrodynamics*. (A translation of *Magnitnaya Gidrodinamika* of the Academy of Sciences of the Latvian SSR). (New York) (Translation of *Magnit. Gidrodinamika*)
- Math. Notes*. *Mathematical Notes of the Academy of Sciences of the USSR*. (New York) (Translation of *Mat. Zametki*)
- Math. USSR-Izv.* *Mathematics of the USSR-Izvestiya*. (Providence, R.I.) (Translation of *Izv. Akad. Nauk SSSR Ser. Mat.*)
- Math. USSR-Sb.* *Mathematics of the USSR-Sbornik*. (Providence, R.I.) (Translation of *Mat. Sb.*)
- **Moscow Univ. Phys. Bull.* *Moscow University Physics Bulletin*. (New York) (Translation of *Vestnik Moskov. Univ. Ser. III Fiz. Astronom.*)
- Probleme der Kybernetik*. *Probleme der Kybernetik*. (Berlin) (Translation of *Problemy Kibernet.*)
- Problems of Information Transmission*. *Problems of Information Transmission*. (New York) (Translation of *Problemy Peredachi Informatsii*)
- Proc. Steklov Inst. Math.* *Proceedings of the Steklov Institute of Mathematics*. (Providence, R.I.) (Translation of *Trudy Mat. Inst. Steklov.*)
- **Proc. (Trudy) P. N. Lebedev Phys. Inst.* *Proceedings (Trudy) of the P. N. Lebedev Physics Institute*. (New York/London) (Translation of *Trudy Fiz. Inst. Lebedev.*)
- Radio Engng. Electron. Phys.* *Radio Engineering and Electronic Physics*. (Translation of *Radiotekhnika i Elektronika*, a U.S.S.R. Academy of Sciences Publication). (New York) (Translation of *Radiotekh. i Elektron.*)
- Radiophys. and Quantum Electronics*. *Radiophysics and Quantum Electronics*. (A translation of *Izvestiya Vyskh Uchebnykh Zavedenii Radiofiziki* of the Ministry of Higher Education of the USSR). (New York) (Translation of *Izv. Vysk. Ucheb. Zaved. Radiofizika*) (Formerly: *Soviet Radiophysics*.)
- Russian Math. Surveys*. *Russian Mathematical Surveys*. (A translation of the survey articles and of selected biographical articles in *Uspehi Matematicheskikh Nauk*). (London) (Translation of *Uspehi Mat. Nauk*)
- Sem. Math. V. A. Steklov Math. Inst. Leningrad*. *Seminars in Mathematics V. A. Steklov Mathematical Institute Leningrad*. (New York) (Translation of *Zap. Nauch. Sem. Leningrad. Otdel. Mat. Inst. Steklov. (LOMI)*)
- Siberian Math. J.* *Siberian Mathematical Journal*. (New York) (Translation of *Sibirsk. Mat. Zh.*)
- Soviet Appl. Mech.* *Soviet Applied Mechanics*. (New York) (Translation of *Prikladna. Meh.*)
- Soviet Astronom. AJ.* *Soviet Astronomy. AJ.* (A translation of *Astronomicheskii Zhurnal*, the astronomical journal of the Academy of Sciences of the USSR). (New York) (Translation of *Astronom. Zh.*)
- Soviet J. Nuclear Phys.* *American Institute of Physics. Soviet Journal of Nuclear Physics*. (New York) (Translation of *Jadernaja Fiz.*)
- Soviet Math. Dokl.* *Soviet Mathematics. Doklady*. (A translation of the mathematics section of *Doklady Akademii Nauk SSSR*). (Providence, R.I.) (Translation of mathematics section of *Dokl. Akad. Nauk SSSR*)
- Soviet Physics Acoust.* *Soviet Physics. Acoustics*. (A translation of *Akusticheskii Zhurnal* of the Academy of Sciences of the USSR). (New York) (Translation of *Akust. Zh.*)
- Soviet Physics Dokl.* *Soviet Physics. Doklady*. (A translation of the physics sections of *Doklady Akademii Nauk SSSR*). (New York) (Translation of physics sections of *Dokl. Akad. Nauk SSSR*)
- Soviet Physics J.* *Soviet Physics Journal*. (New York) (Translation of *Izv. Vysk. Ucheb. Zaved. Fizika*)
- Soviet Physics JETP*. *Soviet Physics. JETP*. (A translation of *Z. Eksperimental'noi i Teoreticheskoi Fiziki* of the USSR). (New York) (Translation of *Z. Eksper. Teoret. Fiz.*)
- Soviet Radiophys.* *Soviet Radiophysics*. (A translation of the *Izvestiya Vyskh Uchebnykh Zavedenii Radiofizika* of the Ministry of Higher Education of the USSR). (New York) (Translation of *Izv. Vysk. Ucheb. Zaved. Radiofizika*) (Continued as: *Radiophysics and Quantum Electronics*)
- Systems Theory Res.* *Systems Theory Research*. (New York) (Translation of *Problemy Kibernet.*)
- Theor. Probability Appl.* *Theory of Probability and its Applications*. (An English translation of the Soviet journal *Teoriya Veroyatnostei i ee Primeneniya*). (Philadelphia, Pa.) (Translation of *Teor. Veroyatnost. i Primenen.*)
- Trans. Moscow Math. Soc.* *Transactions of the Moscow Mathematical Society*. (Providence, R.I.) (Translation of *Trudy Moskov. Mat. Obsh.*)
- U.S.S.R. Comput. Math. and Math. Phys.* *U.S.S.R. Computational Mathematics and Mathematical Physics*. (Oxford) (Translation of *Z. Vychisl. Mat. i Mat. Fiz.*)
- Ukrainian Math. J.* *Ukrainian Mathematical Journal*. (New York) (Translation of *Ukrain. Mat. Zh.*)

ERRATA AND ADDENDA

VOLUME 25

#5025: Gel'fond, A. O.

In the last line, the correct reference is MR 13, 913.

VOLUME 26

#1418: Cristea, Ion I.

The title should read: "Two extensions of the Riemann and Lebesgue integrals. I."

VOLUME 29

#4885: Thiem, Le-Van

The author's name was incorrectly divided. The heading should be changed to "Le Van Th'em [Le Van Thiem]".

Index for Volume 29

On page 1399 change the entry Th'em, Le Van = Thiem, Le-Van to read Th'em, Le Van = Le Van Thiem. On the same page delete the entry for Thiem, Le-Van and transfer item 4885 to a new entry on page 1360 under Le Van Thiem.

VOLUME 31

#1353: Cristea, Ion I.

The title should read: "Two extensions of the Riemann and Lebesgue integrals. II."

#3980: Willmore, J. T.

The author's initials were reversed. The correct name is T. J. Willmore.

#6091: Ryžakov, I. Ju.

The second line should read "with c_n and c_{n-1} given" instead of "with c_{n-1} given".

Index for Volume 31

On page 1305 change J. T. Willmore to T. J. Willmore.

VOLUME 32

#7373a-c: The correspondence of Henry Oldenburg

The name of the second editor should read Marie Boas Hall.

Index for Volume 32

On page 1629 change Mary Boas Hall to Marie Boas Hall.

VOLUME 33

#5949: Pjateckii-Šapiro, I. I.

In the reference to the Russian edition, the publisher's name should be changed from GITTL to Fizmatgiz.

VOLUME 34

#5044b: Bourbaki, Nicolas

In line 7 of the second paragraph, an incorrect reference is given. The English translation follows the third

French edition of Chapters V-VIII [Actualités Sci. Indust., No. 1235, Hermann, Paris, 1963] rather than the first edition.

VOLUME 35

#425: Pathak, R. S.

In the title replace "III" by "I".

#3621: Borges, Carlos J. R.

In line 4, the correct review number for the reference cited is MR 29 #580, not MR 29 #590.

VOLUME 36

#1262: Transactions of the Moscow Mathematical Society for the year 1965.

Insert "(Vol. 13)" at the end of the title.

#1263: Transactions of the Moscow Mathematical Society for the year 1965.

Insert "(Vol. 14)" at the end of the title.

VOLUME 37

#2608: Klaua, Dieter

The reference cited in line 3 is to the first edition of the whole book whose enlarged second edition is appearing in two volumes.

#3806: Žariš, Ju. I.; Jurčenko, A. S.

After the name of the second author add "[Jurčenko, O. S.]".

#4022: Siegel, Carl Ludwig

Lines 5-8: "d.h. das Paar $C, D \dots$ mit $C=0$," should be changed to read "d.h. C, D laufen über ein volles system von linksseitig nicht-assozierten teilerfremden Paaren n -reihiger Matrizen, welche noch die Gleichung $(CT^{-1}D')' = CT^{-1}D'$ erfüllen."

#6035: Malaise, Michel

In the heading, the year should be changed to 1968.

#6469: Pahareva, N. O.; Aleksandrovič, I. N.

After the name of the second author add "[Oleksandrovič, I. M.]".

Index for Volume 37

On page 1340 change the entry under I. N. Aleksandrovič to read "See Oleksandrovič, I. M." and transfer item 6469 to a new entry on page 1403 under I. M. Oleksandrovič. On page 1378 change A. S. Jurčenko to O. S. Jurčenko and create a new entry: "Jurčenko, A. S. See Jurčenko, O. S."

VOLUME 38

#973: Hall, Rupert A.; Hall, Mary Boas

The name of the second author should be changed to Marie Boas Hall.

#3589: Žariš, Ju. I.; Jurčenko, A. S.

After the name of the second author add "[Jurčenko, O. S.]".

#3873: Gähler, S.; Gähler, W.

The reviewer wishes to make the following correction: "The second paragraph of the review should be deleted. 'Verschiedene C' -Struktur' has two interpretations; the reviewer chose the wrong one and apologizes to the authors and readers."

#3901: Banyas, I.

The author's name should be J. Banyas.

#4656: Berndt, Bruce C.

Lines 14-16 from the bottom should read "das Quadrat $\zeta^2(2s)$ der Riemannschen ζ -Funktion und die Dedekindsche ζ -Funktion $\zeta_k(s) \dots$ ". Similarly, in lines 5, 3 and 2 from the bottom replace φ by ζ .

#5084: Mil'man, V. D.; Mil'man, P. D.

After the name of the second author add "[Mil'man, D. P.]".

#5234: Smirnov, S. G.

The reviewer wishes to publish the following revision of his review:

"Let $\text{Iso}^*(S^m, M^{n+1})$ be the group of PL-isotopy classes of maps $S^m \rightarrow M^{n+1}$, where M^{n+1} is a smooth compact manifold with boundary that is of the homotopy type of a sphere S^{k+1} . One assumes $\pi_1(\partial M^{n+1}) = 0$ and $k > 2$, $n-k > 2$, $m > k > 3$, $n-m > 2$. The author constructs a suspension Σ of a certain subgroup $G_m(M^{n+1}) \subset \text{Iso}^*(S^m, S^k \times D^{n-k})$ and gives a complete proof of the theorem that Σ is an epimorphism for $m < 2k$ and an isomorphism for $m < 2k-1$. Examples of Hopf fiberings show that the theorem cannot be improved in general. (The G_m in the statement of the theorem is the same as the G_m of the paragraph just preceding.)"

5876: ~~Huber~~ Huq, S. A.

"The reviewer regrets having mistakenly said that the author defined and studied upper central series. What was defined were lower central series and derived series. The author is currently preparing a paper in which upper central series are defined."

#6556: Lifanov, I. K.

In the first reference cited the correct MR number is MR 36 #4532 and not MR 35 #4532.

Index for Volume 38

On page 1250 change I. Banyas to J. Banyas. On page 1277 change Mary Boas Hall to Marie Boas Hall. On page 1285 change A. S. Jurčenko to O. S. Jurčenko and create a new entry: "Jurčenko, A. S. See Jurčenko, O. S." On page 1303 change P. D. Mil'man to D. P. Mil'man and create a new entry: "Mil'man, P. D. See Mil'man, D. P."

VOLUME 39

#780: Arens, Richard

In line 6 from the bottom read "... is all of B , for some B , providing ...".

#1886: Chen, Y. M.

After the author's name add "[Chen, Yung-ming]".

#2914: Figà-Talamanca, Alessandro

The reviewer wishes to make the following correction: "Lemma 2.4 of the paper, described inaccurately in the review as unusually long and irrelevant, is actually the fundamental lemma. However, the following misprint should be noted: In the statement of the lemma the last line should read:

$$m(M) \int_{\mathbb{S}} |F(V)|^2 dV \leq (1+\varepsilon) \int_M |F(V)|^2 dV.$$

In the proof, formula (2.3) should read

$$= \int_{\mathbb{S}} \text{Tr}(D_i(V))^{2p} \text{Tr}(D_j(V))^2 dV - 1,$$

VOLUME 39 cont.

and in the second line of p. 340, an exponent 2 is missing. The corrected part of the relation should read $F(V)^2 = \dots$. Also reported inaccurately in the review was the background of the present work in an earlier paper of the author with D. Rider. In the earlier work, unitary matrices, not commutative groups, are the significant feature, whereas here such matrices are replaced by real orthogonal matrices. The author has graciously pointed out the above inaccuracies in the review and supplied the corrections to the paper."

#2928: Spivak, M. A.

The name in brackets in the heading should be Michael Spivak and not M. A. Spivak.

#3750: Purushotham, G.; Madhusudan

In the first reference, line 3 from the bottom, the MR number is incorrectly given. It should be MR 27 #1082 and not #1087.

#4621: Widom, Harold

The notes referred to in the heading are by David Drasin, not by David Drazin.

#4937: Walsh, John B.

Delete this review. It is being replaced by MR 41 #1121.

#5027: Åström, K. J.

In the heading, the year "(1969)" should be replaced by "(1968/1969)".

#5032: Rissanen, J.; Barbosa, L.

In the heading, the year "(1969)" should be replaced by "(1968/1969)".

#5246: Carvallo, Michel

In the heading, the year "(1969)" should be replaced by "(1968/1969)".

#5268: Fu, K. S.; Li, T. J.

In the heading, the year "(1969)" should be replaced by "(1968/1969)".

#5749: Flor, Peter

Insert the words "sur R " and "bornées et" so that the last sentence reads: "Il en déduit en outre que les fonctions continues presque automorphes sur R sont exactement les fonctions bornées et presque périodiques au sens de B. M. Levitan."

#5780: Goldstein, Myron; Chow, T. R.

In line 6 read "every $\{a_n\}$ in $R \setminus E_0$ " for "every $\{a_n\}$ in $R \setminus E$ ".

#6266: Plank, Donald

In line 7 from the bottom replace " $C^*(R)$ " by " $C^*(N)$ ".

#6388: Ornstein, Donald

In line 8 read "then the Cesàro averages of $T^n f$ converge to zero in L_1 " for "then $\|T^n f\|$ is Cesàro convergent to zero".

#6702: Reiffen, Hans-Jörg; Scheja, Günter; Vetter, Udo

The reviewer's name is O. H. Kegel.

#6741: Georgescu, George; Răbăncă, Nicolae

Line 10 should read "from S to S' such that $\tilde{f}(R) \subseteq R'$ where \tilde{f} is the canonical extension of f to".

#6915: Juga, Horst

The author's name has been reversed. It is Juga Horst and not Horst Juga. The reference line should read "Gaz. Mat. Ser. A 74 (75)" and not "Gaz. Mat. Ser. A 75 (74)".

Index for Volume 39

On page 1458 change Y. M. Chen to Yung-ming Chen and create a new entry: "Chen, Y. M. See Chen, Yung-ming." On page 1466 delete the entry for David Drazin and transfer item 4621 to David Drasin. On page 1489 delete the entry for Horst Juga and transfer item 6915 to a new entry for Juga Horst. On page 1540 delete the entry for M. A. Spivak and transfer item 2928 to M. Spivak. On page 1552 remove the entry for John B. Walsh.

VOLUME 40

#281: Bruckner, A. M.; Rosenfeld, M.

After the name of the second author add "[Rosenfeld, Melvin]".

#433: Hoang Hyu Dyong

After the author's name add "[Hoàng Huu Duong]".

#1011: Varga, L.

After the author's name add "[Varga, László]".

#1526: Wu, T. S.

After the author's name add "[Wu, Ta-sun]".

#2061: Milgram, R. James

The reviewer wishes to add the following remarks: "The

statement of the author's main result is incomplete in that not enough relations are written down to determine the action of the Steenrod algebra on the cohomology of the total space. For $n=2$ the correct relations may be found in W. S. Massey and F. P. Peterson's *The mod 2 cohomology structure of certain fibre spaces* [Example 21.4, Mem. Amer. Math. Soc., No. 74, Amer. Math. Soc., Providence, R.I., 1967; MR 37 #2226]."

#3574: Laudenbach, François; Roussarie, Robert.

The year in the heading should be 1970.

#3581: Henderson, David W.

The year in the heading should be 1970.

TRANSLITERATION OF CYRILLIC

Russian Letter Cap. Ital.	Mathematical Reviews; Zentralblatt für Mathematik	Bulletin Signalétique	Applied Mechanics Reviews	Science Abstracts	U.S. Library of Congress	Amer. Slavic & E. European Review	Journal of Symbolic Logic
А а	a	a	a	a	a	a	a
Б б	b	b	b	b	b	b	b
В в	v	v	v	v	v	v	v
Г г	g	g	g	g	g	g	g
Д д	d	d	d	d	d	d	d
Е е	e	e	e	e	e	e	e
Ё ё	e	ë	e	ë	ë	ë	ë
Ж ж	zh	zh	zh	zh	zh	zh	zh
З з	z	z	z	z	z	z	z
И и	i	i	i	i	i	i	i
Й й	i	j	i	i	i	j	j
К к	k	k	k	k	k	k	k
Л л	l	l	l	l	l	l	l
М м	m	m	m	m	m	m	m
Н н	n	n	n	n	n	n	n
О о	o	o	o	o	o	o	o
П п	p	p	p	p	p	p	p
Р р	r	r	r	r	r	r	r
С с	s	s	s	s	s	s	s
Т т	t	t	t	t	t	t	t
У у	u	u	u	u	u	u	u
Ф ф	f	f	f	f	f	f	f
Х х	h	kh	kh	kh	kh	kh	h
Ц ц	c	c	ts	ts	ts	c	c
Ч ч	ch	ch	ch	ch	ch	ch	ch
Ш ш	sh	sh	sh	sh	sh	sh	sh
Щ щ	shch	shch	shch	shch	shch	shch	shch
Ъ ъ	'	'	'	'	'	'	'
Ы ы	y	y	y	y	y	y	y
Ь ь	'	'	'	'	'	'	'
Э э	è	e	e	é	é	è	e
Ю ю	ju	ju	yu	yu	iû	ju	ú
Я я	ja	ja	ya	ya	iâ	ja	â

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Editor: Professor Frederick W. Gehring, University of Michigan, Ann Arbor, Michigan 48104

Managing Editor: Dr. Richard J. Critchfield, Mathematical Reviews, 416 4th Street, Ann Arbor, Michigan 48106

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